



**FACULTAT DE QUÍMICA
DEPARTAMENT D'ENGINYERIA QUÍMICA I METAL·LÚRGIA**

TESIS DOCTORAL

**REOLOGÍA DE ESPESANTES CELULÓSICOS
PARA PINTURAS AL AGUA:
MODELIZACIÓN Y MECANISMO
DE ESPESAMIENTO ASOCIATIVO**

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APÉNDICES. TABLAS DE RESULTADOS EXPERIMENTALES

Apéndice I. Tensión interfacial y viscosimetría capilar

Al. 1. Tensión interfacial

Tensión interfacial solución acuosa de HMHEC - tolueno

Concentración HMHEC (g·dL⁻¹)	Tensión interfacial (mN·m⁻¹)
2,50E-06	33,27
1,00E-05	33,98
2,50E-05	34,5
5,00E-05	32,51
1,00E-04	29,14
1,50E-04	27,29
2,50E-04	24,34
5,00E-04	20,91
1,00E-03	19,86
2,50E-03	20,01
5,00E-03	19,39
1,00E-02	18,39
2,50E-02	17,43
5,00E-02	18,05
1,00E-01	17,07
2,50E-01	15,76

Al. 2. Viscosimetría capilar

Viscosimetría capilar HEC9

[HEC9] (g·dL⁻¹)	η_{red} (dL·g⁻¹)	η_{inh} (dL·g⁻¹)
0,10	1,69	1,56
0,20	1,76	1,50
0,30	1,94	1,52
0,40	2,05	1,47
0,50	2,10	1,44
0,60	2,19	1,40

Viscosimetría capilar HEC25

[HEC25] (g·dL⁻¹)	η_{red} (dL·g⁻¹)	η_{inh} (dL·g⁻¹)
0,04	3,39	3,17
0,06	3,48	3,16
0,08	3,54	3,12
0,10	3,70	3,15
0,13	3,91	3,15
0,16	4,10	3,16
0,18	4,13	3,09
0,20	4,30	3,10

Viscosimetría capilar HEC72

[HEC72] (g·dL⁻¹)	η_{red} (dL·g⁻¹)	η_{inh} (dL·g⁻¹)
0,01	9,13	8,74
0,02	9,70	8,87
0,03	10,17	8,88
0,05	11,02	8,78
0,06	11,19	8,56
0,10	13,42	8,51

Viscosimetría capilar HEC130

[HEC130] (g·dL⁻¹)	η_{red} (dL·g⁻¹)	η_{inh} (dL·g⁻¹)
0,010	13,58	12,73
0,014	13,79	12,61
0,017	14,12	12,66
0,020	14,68	12,87
0,030	15,16	12,50
0,040	16,65	12,76
0,050	17,02	12,32
0,060	19,03	12,70

Viscosimetría capilar HMHEC

[HMHEC] (g·dL⁻¹)	η_{red} (dL·g⁻¹)	η_{inh} (dL·g⁻¹)
0,02	4,16	3,99
0,04	4,83	4,41
0,06	5,41	4,68
0,08	6,25	5,07
0,10	6,91	5,25
0,12	7,97	5,59
0,14	8,84	5,75
0,16	10,11	6,01
0,18	11,93	6,37
0,20	20,74	8,19
0,24	23,49	7,89
0,27	34,50	8,64
0,30	44,28	8,86

Apéndice II. Viscoelasticidad lineal

All. 1. Viscoelasticidad lineal HMHEC

HMHEC 0,5% T=11°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	1,23E-02	4,13E-02	1,81E-02	3,84E-02
1,88E-02	4,19E-02	1,02E-01	4,25E-02	8,72E-02
4,40E-02	8,78E-02	1,76E-01	8,30E-02	1,44E-01
6,28E-02	1,28E-01	2,26E-01	1,18E-01	1,84E-01
9,42E-02	1,89E-01	2,90E-01	1,46E-01	2,54E-01
1,38E-01	2,58E-01	3,47E-01	2,09E-01	3,04E-01
2,01E-01	3,50E-01	4,08E-01	2,90E-01	3,55E-01
2,89E-01	4,65E-01	4,71E-01	3,86E-01	4,01E-01
4,27E-01	6,00E-01	5,33E-01	4,93E-01	4,41E-01
6,28E-01	7,53E-01	5,86E-01	6,07E-01	4,75E-01
9,24E-01	9,45E-01	6,33E-01	7,54E-01	5,24E-01
1,35E+00	1,09E+00	6,62E-01	8,68E-01	5,48E-01
1,99E+00	1,24E+00	6,93E-01	9,81E-01	5,77E-01
2,92E+00	1,38E+00	7,28E-01	1,10E+00	6,11E-01
4,28E+00	1,53E+00	7,78E-01	1,22E+00	6,55E-01
6,28E+00	1,70E+00	8,52E-01	1,34E+00	7,24E-01
9,24E+00	1,94E+00	9,90E-01	1,52E+00	8,33E-01
1,35E+01	2,12E+00	1,14E+00	1,65E+00	9,60E-01
1,99E+01	2,32E+00	1,36E+00	1,78E+00	1,15E+00
2,92E+01	2,53E+00	1,71E+00	1,81E+00	1,43E+00
4,28E+01	2,69E+00	2,19E+00	1,82E+00	1,99E+00
6,28E+01	2,70E+00	3,25E+00	1,33E+00	3,06E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	4,10E-03	2,37E-02		
6,28E-03	7,06E-03	3,55E-02		
1,88E-02	1,90E-02	6,75E-02		
4,40E-02	4,77E-02	1,23E-01		
6,28E-02	7,87E-02	1,68E-01	9,87E-02	2,44E-01
9,42E-02	1,23E-01	2,16E-01	1,84E-01	3,41E-01
1,38E-01	1,79E-01	2,71E-01	2,86E-01	4,28E-01
2,01E-01	2,57E-01	3,29E-01	4,10E-01	5,09E-01
2,89E-01	3,50E-01	3,81E-01	5,62E-01	5,93E-01
4,27E-01	4,56E-01	4,24E-01	7,27E-01	6,58E-01
6,28E-01	5,74E-01	4,59E-01	9,28E-01	7,27E-01
9,24E-01	7,22E-01	4,96E-01	1,21E+00	7,92E-01
1,35E+00	8,45E-01	5,21E-01	1,40E+00	8,22E-01
1,99E+00	9,70E-01	5,51E-01	1,60E+00	8,55E-01
2,92E+00	1,10E+00	5,83E-01	1,80E+00	8,82E-01
4,28E+00	1,23E+00	6,24E-01	2,00E+00	9,16E-01
6,28E+00	1,37E+00	6,84E-01	2,20E+00	9,69E-01
9,24E+00	1,58E+00	8,12E-01	2,46E+00	1,08E+00
1,35E+01	1,71E+00	9,33E-01	2,67E+00	1,20E+00
1,99E+01	1,83E+00	1,11E+00	2,91E+00	1,39E+00
2,92E+01	1,94E+00	1,39E+00	3,14E+00	1,69E+00
4,28E+01	1,89E+00	1,97E+00	3,33E+00	2,07E+00
6,28E+01	1,73E+00	3,02E+00	4,34E+00	2,82E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	3,54E-03	1,93E-02	1,49E-03	1,04E-02
1,88E-02	1,24E-02	5,42E-02	6,94E-03	3,08E-02
4,40E-02	3,31E-02	1,01E-01	1,71E-02	6,02E-02
6,28E-02	5,37E-02	1,37E-01	2,76E-02	8,38E-02
6,28E-02	5,38E-02	1,39E-01	3,15E-02	9,02E-02
9,42E-02	8,16E-02	1,82E-01	4,92E-02	1,21E-01
1,38E-01	1,23E-01	2,35E-01	7,57E-02	1,59E-01
2,01E-01	1,76E-01	2,92E-01	1,14E-01	2,04E-01
2,89E-01	2,47E-01	3,53E-01	1,64E-01	2,53E-01
4,27E-01	3,43E-01	4,18E-01	2,28E-01	3,02E-01
6,28E-01	4,49E-01	4,74E-01	3,09E-01	3,52E-01
9,24E-01	5,94E-01	5,31E-01	4,43E-01	4,22E-01
1,35E+00	7,20E-01	5,75E-01	5,56E-01	4,71E-01
1,99E+00	8,52E-01	6,20E-01	6,69E-01	5,11E-01
2,92E+00	9,97E-01	6,62E-01	7,94E-01	5,52E-01
4,28E+00	1,15E+00	7,13E-01	9,21E-01	5,99E-01
6,28E+00	1,36E+00	7,87E-01	1,09E+00	6,73E-01
9,24E+00	1,52E+00	8,77E-01	1,22E+00	7,56E-01
1,35E+01	1,68E+00	9,97E-01	1,37E+00	8,66E-01
1,99E+01	1,85E+00	1,18E+00	1,53E+00	1,04E+00
2,92E+01	2,05E+00	1,46E+00	1,72E+00	1,28E+00
4,28E+01	2,24E+00	1,95E+00	2,06E+00	1,72E+00
6,28E+01	2,57E+00	3,05E+00	2,23E+00	2,71E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,57E-02	6,65E-02	2,72E-02	7,68E-02
9,42E-02	4,26E-02	9,36E-02	4,26E-02	1,05E-01
1,38E-01	6,00E-02	1,23E-01	6,48E-02	1,40E-01
2,01E-01	9,25E-02	1,63E-01	9,61E-02	1,82E-01
2,89E-01	1,33E-01	2,09E-01	1,40E-01	2,31E-01
4,27E-01	1,88E-01	2,62E-01	1,99E-01	2,84E-01
6,28E-01	2,54E-01	3,11E-01	2,73E-01	3,40E-01
9,24E-01	3,68E-01	3,88E-01	3,74E-01	3,99E-01
1,35E+00	4,70E-01	4,41E-01	4,77E-01	4,51E-01
1,99E+00	5,81E-01	4,90E-01	5,87E-01	4,98E-01
2,92E+00	7,04E-01	5,38E-01	7,09E-01	5,43E-01
4,28E+00	8,33E-01	5,89E-01	8,37E-01	5,92E-01
6,28E+00	9,71E-01	6,45E-01	9,72E-01	6,49E-01
9,24E+00	1,13E+00	7,41E-01	1,14E+00	7,42E-01
1,35E+01	1,28E+00	8,42E-01	1,29E+00	8,45E-01
1,99E+01	1,44E+00	1,01E+00	1,44E+00	1,00E+00
2,92E+01	1,63E+00	1,26E+00	1,62E+00	1,22E+00
4,28E+01	1,97E+00	1,69E+00	1,89E+00	1,74E+00
6,28E+01	2,00E+00	2,40E+00	1,27E+00	2,71E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,70E-02	5,30E-02	8,80E-02	7,68E-02
9,42E-02	2,97E-02	6,73E-02	1,31E-01	9,55E-02
1,38E-01	4,62E-02	9,38E-02	1,68E-01	1,19E-01
2,01E-01	5,99E-02	1,17E-01	1,99E-01	1,37E-01
2,89E-01	7,89E-02	1,53E-01	2,37E-01	1,67E-01
4,27E-01	1,03E-01	1,92E-01	2,83E-01	2,01E-01
6,28E-01	1,38E-01	1,98E-01	3,23E-01	2,35E-01
9,24E-01	1,82E-01	2,48E-01	3,72E-01	2,79E-01
1,35E+00	2,32E-01	2,94E-01	4,36E-01	3,28E-01
1,99E+00	2,95E-01	3,53E-01	5,14E-01	3,81E-01
2,92E+00	3,69E-01	4,14E-01	6,05E-01	4,33E-01
4,28E+00	4,52E-01	4,76E-01	7,08E-01	4,87E-01
6,28E+00	5,42E-01	5,36E-01	8,20E-01	5,46E-01
9,24E+00	6,06E-01	5,88E-01	8,94E-01	6,22E-01
1,35E+01	7,03E-01	6,81E-01	1,00E+00	7,09E-01
1,99E+01	8,19E-01	8,42E-01	1,13E+00	8,42E-01
2,92E+01	9,39E-01	1,17E+00	1,21E+00	1,01E+00
4,28E+01	1,17E+00	1,66E+00	1,49E+00	1,51E+00
6,28E+01	2,24E+00	2,55E+00	1,34E+00	2,12E+00

HMHEC 0,5% T=40°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	5,88E-03	1,26E-02	2,96E-02	2,46E-02	2,10E-02	2,00E-02
1,38E-01	1,00E-02	2,07E-02	3,41E-02	3,26E-02	3,54E-02	3,46E-02
2,01E-01	1,32E-02	2,78E-02	4,05E-02	4,15E-02	5,03E-02	4,58E-02
2,89E-01	1,74E-02	3,79E-02	4,57E-02	5,09E-02	6,48E-02	6,17E-02
4,27E-01	2,29E-02	5,01E-02	5,46E-02	6,45E-02	8,47E-02	8,27E-02
6,28E-01	3,20E-02	6,65E-02	6,11E-02	8,52E-02	1,15E-01	1,12E-01
9,24E-01	4,37E-02	8,85E-02	7,67E-02	1,12E-01	1,41E-01	1,40E-01
1,35E+00	6,06E-02	1,15E-01	9,93E-02	1,45E-01	1,67E-01	1,72E-01
1,99E+00	8,46E-02	1,46E-01	1,28E-01	1,85E-01	2,04E-01	2,12E-01
2,92E+00	1,18E-01	1,84E-01	1,69E-01	2,31E-01	2,61E-01	2,61E-01
4,28E+00	1,65E-01	2,32E-01	2,19E-01	2,86E-01	3,30E-01	3,19E-01
6,28E+00	2,29E-01	2,90E-01	2,85E-01	3,48E-01	4,14E-01	3,80E-01
9,24E+00	2,85E-01	3,64E-01	3,35E-01	4,24E-01	5,01E-01	4,57E-01
1,35E+01	3,72E-01	4,45E-01	4,31E-01	5,22E-01	6,17E-01	5,45E-01
1,99E+01	4,64E-01	5,62E-01	5,49E-01	6,56E-01	7,68E-01	6,71E-01
2,92E+01	5,56E-01	8,29E-01	6,66E-01	9,14E-01	8,55E-01	9,13E-01
4,28E+01	1,80E-01	1,25E+00	6,00E-01	1,16E+00	7,12E-01	1,22E+00
6,28E+01	3,50E-01	2,05E+00	1,33E-01	2,37E+00	3,20E-01	2,63E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,59E-02	1,35E-01	1,97E-02	1,04E-01
6,28E-03	4,80E-02	1,95E-01	3,49E-02	1,49E-01
1,88E-02	1,23E-01	3,55E-01	9,50E-02	2,82E-01
4,40E-02	2,93E-01	6,08E-01	2,31E-01	4,89E-01
6,28E-02	4,35E-01	7,72E-01	3,53E-01	6,27E-01
6,28E-02	4,76E-01	8,05E-01	3,72E-01	6,61E-01
6,28E-02	6,83E-01	9,86E-01	5,42E-01	8,17E-01
1,38E-01	9,48E-01	1,17E+00	7,59E-01	9,77E-01
2,01E-01	1,27E+00	1,35E+00	1,02E+00	1,14E+00
2,89E-01	1,65E+00	1,50E+00	1,35E+00	1,29E+00
4,27E-01	2,05E+00	1,63E+00	1,70E+00	1,41E+00
6,28E-01	2,47E+00	1,73E+00	2,09E+00	1,51E+00
6,28E-01	2,52E+00	1,75E+00	2,16E+00	1,56E+00
9,24E-01	2,95E+00	1,84E+00	2,57E+00	1,64E+00
1,35E+00	3,40E+00	1,92E+00	2,96E+00	1,70E+00
1,99E+00	3,82E+00	2,00E+00	3,36E+00	1,77E+00
2,92E+00	4,24E+00	2,10E+00	3,76E+00	1,84E+00
4,28E+00	4,67E+00	2,24E+00	4,17E+00	1,94E+00
6,28E+00	5,10E+00	2,43E+00	4,58E+00	2,09E+00
6,28E+00	5,18E+00	2,42E+00	4,68E+00	2,16E+00
9,24E+00	5,60E+00	2,71E+00	5,06E+00	2,40E+00
1,35E+01	5,95E+00	3,19E+00	5,35E+00	2,84E+00
1,99E+01	6,40E+00	3,92E+00	5,62E+00	3,27E+00
2,92E+01	5,71E+00	6,23E+00	4,94E+00	5,27E+00
4,28E+01	7,45E+00	7,19E+00	3,13E+00	6,40E+00
6,28E+01	8,43E+00	6,53E+00	1,33E+00	3,06E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	3,39E-02	1,19E-01	1,92E-02	1,08E-01
6,28E-03	5,38E-02	1,75E-01	3,39E-02	1,52E-01
1,88E-02	1,44E-01	3,43E-01	9,00E-02	2,83E-01
4,40E-02	3,74E-01	6,38E-01	2,23E-01	4,98E-01
6,28E-02	5,15E-01	8,31E-01	3,39E-01	6,39E-01
6,28E-02	5,15E-01	7,95E-01	3,68E-01	6,65E-01
6,28E-02	7,16E-01	9,61E-01	5,35E-01	8,23E-01
1,38E-01	9,80E-01	1,14E+00	7,52E-01	9,90E-01
2,01E-01	1,31E+00	1,32E+00	1,03E+00	1,15E+00
2,89E-01	1,67E+00	1,48E+00	1,36E+00	1,30E+00
4,27E-01	2,06E+00	1,60E+00	1,72E+00	1,41E+00
6,28E-01	2,48E+00	1,69E+00	2,11E+00	1,51E+00
6,28E-01	2,52E+00	1,67E+00	2,18E+00	1,56E+00
9,24E-01	2,95E+00	1,73E+00	2,59E+00	1,63E+00
1,35E+00	3,37E+00	1,78E+00	3,02E+00	1,69E+00
1,99E+00	3,78E+00	1,83E+00	3,42E+00	1,73E+00
2,92E+00	4,20E+00	1,88E+00	3,83E+00	1,78E+00
4,28E+00	4,63E+00	1,96E+00	4,24E+00	1,84E+00
6,28E+00	5,07E+00	2,08E+00	4,64E+00	1,93E+00
6,28E+00	5,09E+00	2,01E+00	4,67E+00	1,94E+00
9,24E+00	5,51E+00	2,19E+00	5,08E+00	2,11E+00
1,35E+01	5,96E+00	2,42E+00	5,53E+00	2,34E+00
1,99E+01	6,43E+00	2,78E+00	5,99E+00	2,69E+00
2,92E+01	6,89E+00	3,29E+00	6,45E+00	3,19E+00
4,28E+01	7,27E+00	4,01E+00	6,84E+00	3,90E+00
6,28E+01	7,70E+00	5,18E+00	7,22E+00	5,09E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	1,33E-02	6,57E-02	1,31E-02	7,27E-02
6,28E-03	4,13E-02	1,11E-01	2,21E-02	1,04E-01
1,88E-02	8,80E-02	2,25E-01	6,02E-02	1,99E-01
4,40E-02	1,80E-01	3,96E-01	1,51E-01	3,56E-01
6,28E-02	2,68E-01	5,17E-01	2,30E-01	4,59E-01
6,28E-02	2,92E-01	5,17E-01	2,46E-01	4,89E-01
6,28E-02	4,12E-01	6,46E-01	3,62E-01	6,16E-01
1,38E-01	5,74E-01	7,93E-01	5,17E-01	7,54E-01
2,01E-01	7,85E-01	9,54E-01	7,20E-01	9,02E-01
2,89E-01	1,06E+00	1,12E+00	9,74E-01	1,04E+00
4,27E-01	1,37E+00	1,27E+00	1,27E+00	1,16E+00
6,28E-01	1,71E+00	1,39E+00	1,57E+00	1,25E+00
6,28E-01	1,77E+00	1,44E+00	1,62E+00	1,29E+00
9,24E-01	2,15E+00	1,54E+00	1,97E+00	1,38E+00
1,35E+00	2,55E+00	1,63E+00	2,33E+00	1,45E+00
1,99E+00	2,95E+00	1,69E+00	2,68E+00	1,50E+00
2,92E+00	3,35E+00	1,75E+00	3,03E+00	1,54E+00
4,28E+00	3,76E+00	1,81E+00	3,39E+00	1,60E+00
6,28E+00	4,17E+00	1,91E+00	3,76E+00	1,69E+00
6,28E+00	4,25E+00	1,94E+00	3,82E+00	1,72E+00
9,24E+00	4,66E+00	2,09E+00	4,19E+00	1,87E+00
1,35E+01	5,09E+00	2,29E+00	4,59E+00	2,06E+00
1,99E+01	5,52E+00	2,61E+00	4,99E+00	2,37E+00
2,92E+01	5,95E+00	3,07E+00	5,40E+00	2,80E+00
4,28E+01	6,29E+00	3,74E+00	5,77E+00	3,44E+00
6,28E+01	6,62E+00	4,90E+00	6,10E+00	4,59E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,14E-02	9,51E-02	5,03E-03	3,55E-02
6,28E-03	4,03E-02	1,35E-01	8,13E-03	5,01E-02
1,88E-02	8,01E-02	2,32E-01	2,20E-02	9,91E-02
4,40E-02	1,67E-01	3,39E-01	5,90E-02	1,92E-01
6,28E-02	2,08E-01	4,28E-01	9,46E-02	2,63E-01
6,28E-02	2,08E-01	4,28E-01	1,01E-01	2,82E-01
6,28E-02	2,97E-01	5,40E-01	1,58E-01	3,74E-01
1,38E-01	4,10E-01	6,69E-01	2,40E-01	4,84E-01
2,01E-01	5,55E-01	8,14E-01	3,55E-01	6,14E-01
2,89E-01	7,34E-01	9,65E-01	5,08E-01	7,57E-01
4,27E-01	9,56E-01	1,13E+00	7,08E-01	9,12E-01
6,28E-01	1,27E+00	1,32E+00	9,57E-01	1,07E+00
6,28E-01	1,20E+00	1,21E+00	9,89E-01	1,09E+00
9,24E-01	1,49E+00	1,34E+00	1,28E+00	1,24E+00
1,35E+00	1,81E+00	1,47E+00	1,62E+00	1,38E+00
1,99E+00	2,18E+00	1,60E+00	1,98E+00	1,50E+00
2,92E+00	2,57E+00	1,71E+00	2,37E+00	1,60E+00
4,28E+00	2,94E+00	1,79E+00	2,78E+00	1,69E+00
6,28E+00	3,31E+00	1,90E+00	3,20E+00	1,80E+00
6,28E+00	3,31E+00	1,77E+00	3,23E+00	1,81E+00
9,24E+00	3,68E+00	1,90E+00	3,63E+00	1,95E+00
1,35E+01	4,06E+00	2,07E+00	4,05E+00	2,13E+00
1,99E+01	4,44E+00	2,33E+00	4,48E+00	2,41E+00
2,92E+01	4,78E+00	2,69E+00	4,89E+00	2,81E+00
4,28E+01	5,10E+00	3,28E+00	5,27E+00	3,41E+00
6,28E+01	5,43E+00	4,53E+00	5,63E+00	4,51E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	7,52E-03	1,92E-02	3,58E-03	1,91E-02
6,28E-03	1,96E-02	3,17E-02	1,09E-02	3,20E-02
1,88E-02	3,94E-02	5,79E-02	3,68E-02	6,62E-02
4,40E-02	6,65E-02	1,01E-01	7,45E-02	1,25E-01
6,28E-02	7,83E-02	1,28E-01	1,08E-01	1,71E-01
6,28E-02	7,80E-02	1,36E-01	1,27E-01	1,87E-01
6,28E-02	1,02E-01	1,82E-01	1,70E-01	2,50E-01
1,38E-01	1,32E-01	2,40E-01	2,25E-01	3,28E-01
2,01E-01	1,75E-01	3,12E-01	3,02E-01	4,28E-01
2,89E-01	2,44E-01	4,07E-01	4,03E-01	5,46E-01
4,27E-01	3,41E-01	5,16E-01	5,41E-01	6,86E-01
6,28E-01	4,57E-01	6,43E-01	7,17E-01	8,40E-01
6,28E-01	4,77E-01	6,67E-01	7,60E-01	8,84E-01
9,24E-01	6,41E-01	8,05E-01	9,88E-01	1,05E+00
1,35E+00	8,50E-01	9,54E-01	1,26E+00	1,22E+00
1,99E+00	1,10E+00	1,10E+00	1,59E+00	1,39E+00
2,92E+00	1,38E+00	1,23E+00	1,97E+00	1,55E+00
4,28E+00	1,70E+00	1,36E+00	2,38E+00	1,69E+00
6,28E+00	2,04E+00	1,49E+00	2,82E+00	1,82E+00
6,28E+00	2,08E+00	1,52E+00	2,87E+00	1,86E+00
9,24E+00	2,44E+00	1,66E+00	3,32E+00	2,01E+00
1,35E+01	2,82E+00	1,83E+00	3,78E+00	2,18E+00
1,99E+01	3,19E+00	2,06E+00	4,26E+00	2,44E+00
2,92E+01	3,55E+00	2,38E+00	4,72E+00	2,81E+00
4,28E+01	3,92E+00	2,87E+00	5,15E+00	3,35E+00
6,28E+01	4,23E+00	4,09E+00	5,43E+00	4,49E+00

HMHEC 0,75% T=40°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,55E-02	5,53E-02	1,16E-02	4,60E-02	2,36E-03	2,93E-02
1,38E-01	4,22E-02	9,96E-02	2,48E-02	8,47E-02	1,11E-02	6,52E-02
2,01E-01	6,14E-02	1,34E-01	3,77E-02	1,17E-01	2,33E-02	9,57E-02
2,89E-01	8,39E-02	1,78E-01	5,57E-02	1,57E-01	4,09E-02	1,35E-01
4,27E-01	1,20E-01	2,44E-01	8,21E-02	2,13E-01	6,78E-02	1,85E-01
6,28E-01	1,76E-01	3,15E-01	1,19E-01	2,84E-01	1,05E-01	2,48E-01
9,24E-01	2,43E-01	4,37E-01	1,85E-01	3,89E-01	1,62E-01	3,38E-01
1,35E+00	3,40E-01	5,49E-01	2,69E-01	4,90E-01	2,34E-01	4,40E-01
1,99E+00	4,71E-01	6,79E-01	3,83E-01	6,12E-01	3,36E-01	5,59E-01
2,92E+00	6,47E-01	8,20E-01	5,33E-01	7,41E-01	4,71E-01	6,92E-01
4,28E+00	8,56E-01	9,64E-01	7,28E-01	8,82E-01	6,42E-01	8,33E-01
6,28E+00	1,11E+00	1,11E+00	9,78E-01	1,05E+00	8,47E-01	9,78E-01
9,24E+00	1,40E+00	1,30E+00	1,25E+00	1,23E+00	1,12E+00	1,19E+00
1,35E+01	1,69E+00	1,46E+00	1,53E+00	1,39E+00	1,39E+00	1,37E+00
1,99E+01	2,01E+00	1,68E+00	1,84E+00	1,61E+00	1,66E+00	1,59E+00
2,92E+01	2,33E+00	1,98E+00	2,15E+00	1,90E+00	1,94E+00	1,90E+00
4,28E+01	2,61E+00	2,48E+00	2,42E+00	2,37E+00	2,15E+00	2,40E+00
6,28E+01	2,87E+00	3,50E+00	2,22E+00	3,17E+00	2,19E+00	3,40E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	1,60E-01	3,93E-01	8,95E-02	3,90E-01
1,88E-02	2,94E-01	6,99E-01	3,29E-01	8,33E-01
4,40E-02	6,68E-01	1,25E+00	7,43E-01	1,35E+00
6,28E-02	1,01E+00	1,61E+00	1,01E+00	1,61E+00
9,42E-02	1,40E+00	1,87E+00	1,39E+00	1,93E+00
1,38E-01	1,81E+00	2,19E+00	1,83E+00	2,24E+00
2,01E-01	2,39E+00	2,56E+00	2,36E+00	2,55E+00
2,89E-01	3,03E+00	2,85E+00	2,95E+00	2,83E+00
4,27E-01	3,78E+00	3,16E+00	3,68E+00	3,12E+00
6,28E-01	4,58E+00	3,42E+00	4,47E+00	3,36E+00
9,24E-01	5,59E+00	3,53E+00	5,34E+00	3,57E+00
1,35E+00	6,39E+00	3,69E+00	6,24E+00	3,73E+00
1,99E+00	7,19E+00	3,82E+00	7,18E+00	3,87E+00
2,92E+00	8,04E+00	4,00E+00	8,11E+00	4,01E+00
4,28E+00	8,89E+00	4,24E+00	9,02E+00	4,17E+00
6,28E+00	9,73E+00	4,50E+00	9,89E+00	4,42E+00
6,28E+00	1,01E+01	4,51E+00	9,89E+00	4,42E+00
9,24E+00	1,09E+01	4,97E+00	1,07E+01	4,85E+00
1,35E+01	1,17E+01	5,57E+00	1,14E+01	5,55E+00
1,99E+01	1,22E+01	6,60E+00	1,20E+01	6,70E+00
2,92E+01	1,25E+01	7,56E+00	1,26E+01	8,54E+00
4,28E+01	1,35E+01	1,04E+01	1,30E+01	1,14E+01
6,28E+01	5,36E+00	2,45E+01	1,34E+01	1,57E+01

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	9,00E-02	3,30E-01	8,91E-02	3,24E-01
1,88E-02	3,53E-01	7,74E-01	3,57E-01	7,52E-01
4,40E-02	7,82E-01	1,32E+00	7,50E-01	1,18E+00
6,28E-02	1,16E+00	1,60E+00	1,05E+00	1,45E+00
6,28E-02	1,16E+00	1,60E+00	1,06E+00	1,48E+00
9,42E-02	1,53E+00	1,84E+00	1,44E+00	1,76E+00
1,38E-01	2,05E+00	2,16E+00	1,90E+00	2,04E+00
2,01E-01	2,67E+00	2,46E+00	2,47E+00	2,32E+00
2,89E-01	3,38E+00	2,72E+00	3,10E+00	2,56E+00
4,27E-01	4,17E+00	2,89E+00	3,82E+00	2,76E+00
6,28E-01	4,98E+00	3,00E+00	4,59E+00	2,90E+00
9,24E-01	5,66E+00	3,01E+00	5,40E+00	3,03E+00
1,35E+00	6,40E+00	3,06E+00	6,15E+00	3,10E+00
1,99E+00	7,14E+00	3,13E+00	6,90E+00	3,18E+00
2,92E+00	7,86E+00	3,19E+00	7,67E+00	3,25E+00
4,28E+00	8,56E+00	3,26E+00	8,43E+00	3,35E+00
6,28E+00	9,29E+00	3,43E+00	9,18E+00	3,52E+00
9,24E+00	1,02E+01	3,78E+00	9,95E+00	3,81E+00
1,35E+01	1,11E+01	4,16E+00	1,08E+01	4,18E+00
1,99E+01	1,20E+01	4,73E+00	1,17E+01	4,75E+00
2,92E+01	1,30E+01	5,50E+00	1,26E+01	5,52E+00
4,28E+01	1,40E+01	6,54E+00	1,35E+01	6,55E+00
6,28E+01	1,50E+01	7,93E+00	1,44E+01	8,00E+00

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	3,31E-02	1,67E-01	6,01E-02	2,55E-01
1,88E-02	1,60E-01	4,64E-01	3,54E-01	6,97E-01
4,40E-02	3,78E-01	8,13E-01	7,00E-01	1,07E+00
6,28E-02	5,63E-01	1,05E+00	9,41E-01	1,27E+00
9,42E-02	8,63E-01	1,37E+00	1,28E+00	1,60E+00
1,38E-01	1,21E+00	1,68E+00	1,68E+00	1,88E+00
2,01E-01	1,66E+00	2,00E+00	2,16E+00	2,14E+00
2,89E-01	2,19E+00	2,31E+00	2,74E+00	2,42E+00
4,27E-01	2,83E+00	2,62E+00	3,45E+00	2,70E+00
6,28E-01	3,55E+00	2,88E+00	4,24E+00	2,95E+00
9,24E-01	4,50E+00	3,23E+00	5,09E+00	3,14E+00
1,35E+00	5,33E+00	3,42E+00	5,86E+00	3,24E+00
1,99E+00	6,18E+00	3,58E+00	6,66E+00	3,35E+00
2,92E+00	7,05E+00	3,71E+00	7,48E+00	3,43E+00
4,28E+00	7,91E+00	3,84E+00	8,32E+00	3,52E+00
6,28E+00	8,77E+00	4,04E+00	9,14E+00	3,69E+00
9,24E+00	9,67E+00	4,39E+00	1,00E+01	3,95E+00
1,35E+01	1,05E+01	4,82E+00	1,09E+01	4,27E+00
1,99E+01	1,11E+01	5,73E+00	1,18E+01	4,79E+00
2,92E+01	1,14E+01	6,72E+00	1,28E+01	5,51E+00
4,28E+01	1,24E+01	8,86E+00	1,38E+01	6,50E+00
6,28E+01	1,67E+01	8,73E+00	1,14E+01	1,75E+01

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03			8,39E-02	2,84E-01
1,88E-02			4,24E-01	6,90E-01
4,40E-02			7,89E-01	1,08E+00
6,28E-02	5,09E-01	1,00E+00	1,10E+00	1,39E+00
9,42E-02	7,26E-01	1,24E+00	1,43E+00	1,68E+00
1,38E-01	9,68E-01	1,44E+00	1,88E+00	2,03E+00
2,01E-01	1,27E+00	1,66E+00	2,45E+00	2,40E+00
2,89E-01	1,65E+00	1,90E+00	3,07E+00	2,74E+00
4,27E-01	2,12E+00	2,14E+00	3,78E+00	3,05E+00
6,28E-01	2,64E+00	2,39E+00	4,57E+00	3,32E+00
9,24E-01	3,32E+00	2,64E+00	5,56E+00	3,71E+00
1,35E+00	4,09E+00	2,88E+00	6,59E+00	3,98E+00
1,99E+00	4,88E+00	3,08E+00	7,70E+00	4,22E+00
2,92E+00	5,65E+00	3,20E+00	8,81E+00	4,38E+00
4,28E+00	6,40E+00	3,30E+00	9,88E+00	4,49E+00
6,28E+00	7,15E+00	3,43E+00	1,09E+01	4,63E+00
9,24E+00	7,88E+00	3,63E+00	1,18E+01	4,85E+00
1,35E+01	8,72E+00	3,92E+00	1,29E+01	5,17E+00
1,99E+01	9,61E+00	4,39E+00	1,41E+01	5,65E+00
2,92E+01	1,05E+01	5,01E+00	1,53E+01	6,40E+00
4,28E+01	1,13E+01	5,89E+00	1,65E+01	7,39E+00
6,28E+01	1,23E+01	7,15E+00	1,77E+01	8,77E+00

HMHEC 1% T=30°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	3,05E-01	3,94E-01	2,54E-01	4,48E-01	5,09E-01	4,99E-01	5,71E-01	5,09E-01
9,42E-02	3,70E-01	5,07E-01	3,55E-01	5,86E-01	6,54E-01	6,36E-01	6,96E-01	6,45E-01
1,38E-01	4,72E-01	6,41E-01	4,93E-01	7,53E-01	8,16E-01	7,99E-01	8,56E-01	8,09E-01
2,01E-01	6,06E-01	8,16E-01	6,77E-01	9,51E-01	1,01E+00	1,00E+00	1,05E+00	1,01E+00
2,89E-01	7,95E-01	1,03E+00	9,11E-01	1,18E+00	1,25E+00	1,24E+00	1,25E+00	1,24E+00
4,27E-01	1,04E+00	1,27E+00	1,21E+00	1,44E+00	1,58E+00	1,51E+00	1,57E+00	1,49E+00
6,28E-01	1,35E+00	1,53E+00	1,64E+00	1,76E+00	1,98E+00	1,81E+00	1,92E+00	1,75E+00
9,24E-01	1,88E+00	1,96E+00	2,14E+00	2,06E+00	2,43E+00	2,08E+00	2,51E+00	2,17E+00
1,35E+00	2,37E+00	2,24E+00	2,67E+00	2,30E+00	2,99E+00	2,39E+00	3,09E+00	2,48E+00
1,99E+00	2,95E+00	2,51E+00	3,27E+00	2,54E+00	3,62E+00	2,67E+00	3,75E+00	2,78E+00
2,92E+00	3,61E+00	2,76E+00	3,95E+00	2,75E+00	4,31E+00	2,91E+00	4,50E+00	3,05E+00
4,28E+00	4,34E+00	2,99E+00	4,71E+00	2,95E+00	5,09E+00	3,13E+00	5,30E+00	3,28E+00
6,28E+00	5,12E+00	3,22E+00	5,53E+00	3,17E+00	5,91E+00	3,36E+00	6,16E+00	3,51E+00
9,24E+00	6,10E+00	3,62E+00	6,33E+00	3,41E+00	6,70E+00	3,59E+00	7,05E+00	3,80E+00
1,35E+01	6,94E+00	3,89E+00	7,12E+00	3,66E+00	7,55E+00	3,84E+00	7,94E+00	4,06E+00
1,99E+01	7,80E+00	4,27E+00	7,92E+00	4,02E+00	8,40E+00	4,22E+00	8,87E+00	4,46E+00
2,92E+01	8,68E+00	4,81E+00	8,73E+00	4,54E+00	9,24E+00	4,74E+00	9,80E+00	5,00E+00
4,28E+01	9,46E+00	5,58E+00	9,42E+00	5,21E+00	9,99E+00	5,44E+00	1,06E+01	5,77E+00
6,28E+01	1,03E+01	6,68E+00	1,02E+01	6,37E+00	1,08E+01	6,57E+00	1,15E+01	6,89E+00

HMHEC 1% T=40°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	3,05E-02	1,52E-01	1,26E-01	2,17E-01	1,85E-02	9,65E-02
9,42E-02	4,96E-02	2,11E-01	1,30E-01	2,75E-01	3,88E-02	1,39E-01
1,38E-01	8,22E-02	3,00E-01	1,57E-01	3,25E-01	8,83E-02	2,12E-01
2,01E-01	1,27E-01	4,10E-01	2,01E-01	4,11E-01	1,43E-01	3,02E-01
2,89E-01	1,90E-01	5,32E-01	2,59E-01	5,66E-01	2,15E-01	4,16E-01
4,27E-01	3,03E-01	7,23E-01	4,39E-01	7,74E-01	3,05E-01	5,40E-01
6,28E-01	4,77E-01	9,00E-01	5,75E-01	9,50E-01	4,35E-01	7,01E-01
9,24E-01	6,78E-01	1,11E+00	7,64E-01	1,12E+00	6,14E-01	9,36E-01
1,35E+00	9,48E-01	1,36E+00	1,01E+00	1,35E+00	8,13E-01	1,15E+00
1,99E+00	1,30E+00	1,65E+00	1,36E+00	1,65E+00	1,10E+00	1,42E+00
2,92E+00	1,73E+00	1,90E+00	1,82E+00	1,98E+00	1,44E+00	1,67E+00
4,28E+00	2,22E+00	2,15E+00	2,30E+00	2,27E+00	1,86E+00	1,96E+00
6,28E+00	2,81E+00	2,41E+00	2,93E+00	2,60E+00	2,37E+00	2,24E+00
9,24E+00	3,59E+00	2,77E+00	3,33E+00	2,78E+00	3,16E+00	2,74E+00
1,35E+01	4,28E+00	3,04E+00	3,97E+00	3,06E+00	3,81E+00	3,04E+00
1,99E+01	5,00E+00	3,38E+00	4,63E+00	3,41E+00	4,56E+00	3,44E+00
2,92E+01	5,71E+00	3,82E+00	5,30E+00	3,85E+00	5,35E+00	3,93E+00
4,28E+01	6,38E+00	4,44E+00	5,94E+00	4,49E+00	6,05E+00	4,56E+00
6,28E+01	7,08E+00	5,52E+00	6,80E+00	5,60E+00	7,16E+00	5,59E+00

HMHEC 1,25% T=5°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	1,10E+00	1,17E+00	3,99E-01	9,08E-01	2,58E-01	6,90E-01
1,88E-02	1,17E+00	2,06E+00	1,21E+00	1,97E+00	8,41E-01	1,50E+00
4,40E-02	2,20E+00	3,15E+00	2,30E+00	2,95E+00	1,65E+00	2,31E+00
6,28E-02	2,86E+00	3,81E+00	3,08E+00	3,51E+00	2,25E+00	2,77E+00
6,28E-02	2,88E+00	3,63E+00	3,17E+00	3,64E+00	2,37E+00	2,88E+00
9,42E-02	3,77E+00	4,16E+00	4,15E+00	4,22E+00	3,12E+00	3,37E+00
1,38E-01	4,63E+00	4,76E+00	5,28E+00	4,78E+00	4,00E+00	3,84E+00
2,01E-01	5,85E+00	5,42E+00	6,59E+00	5,28E+00	5,09E+00	4,29E+00
2,89E-01	7,26E+00	5,98E+00	8,08E+00	5,70E+00	6,28E+00	4,67E+00
4,27E-01	8,72E+00	6,44E+00	9,58E+00	5,99E+00	7,54E+00	4,96E+00
6,28E-01	1,01E+01	6,78E+00	1,12E+01	6,23E+00	8,87E+00	5,19E+00
9,24E-01	1,18E+01	6,66E+00	1,32E+01	6,60E+00	1,05E+01	5,50E+00
1,35E+00	1,32E+01	6,87E+00	1,47E+01	6,75E+00	1,19E+01	5,64E+00
1,99E+00	1,47E+01	7,16E+00	1,63E+01	6,94E+00	1,32E+01	5,82E+00
2,92E+00	1,61E+01	7,43E+00	1,78E+01	7,16E+00	1,45E+01	6,00E+00
4,28E+00	1,76E+01	7,78E+00	1,95E+01	7,47E+00	1,58E+01	6,24E+00
6,28E+00	1,91E+01	8,29E+00	2,11E+01	7,96E+00	1,72E+01	6,65E+00
9,24E+00	2,08E+01	8,90E+00	2,30E+01	8,74E+00	1,88E+01	7,36E+00
1,35E+01	2,24E+01	9,83E+00	2,47E+01	9,68E+00	2,03E+01	8,17E+00
1,99E+01	2,37E+01	1,11E+01	2,64E+01	1,12E+01	2,16E+01	9,36E+00
2,92E+01	2,47E+01	1,33E+01	2,75E+01	1,34E+01	2,28E+01	1,19E+01
4,28E+01	2,47E+01	1,68E+01	2,79E+01	1,60E+01	2,06E+01	1,54E+01
6,28E+01	2,50E+01	2,38E+01	2,99E+01	2,08E+01	2,01E+01	1,65E+01

HMHEC 1,25% T=11°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	1,59E-01	5,35E-01	1,87E-01	5,76E-01	1,24E-01	4,26E-01
1,88E-02	5,64E-01	1,38E+00	6,75E-01	1,35E+00	4,70E-01	1,04E+00
4,40E-02	1,19E+00	2,22E+00	1,38E+00	2,14E+00	1,00E+00	1,71E+00
6,28E-02	1,66E+00	2,80E+00	1,92E+00	2,63E+00	1,42E+00	2,12E+00
6,28E-02	1,81E+00	2,78E+00	1,99E+00	2,70E+00	1,55E+00	2,25E+00
9,42E-02	2,48E+00	3,32E+00	2,68E+00	3,23E+00	2,11E+00	2,71E+00
1,38E-01	3,30E+00	3,94E+00	3,52E+00	3,77E+00	2,81E+00	3,20E+00
2,01E-01	4,32E+00	4,58E+00	4,57E+00	4,30E+00	3,69E+00	3,68E+00
2,89E-01	5,49E+00	5,20E+00	5,76E+00	4,77E+00	4,70E+00	4,14E+00
4,27E-01	6,82E+00	5,79E+00	7,06E+00	5,18E+00	5,83E+00	4,53E+00
6,28E-01	8,26E+00	6,25E+00	8,45E+00	5,49E+00	7,06E+00	4,85E+00
9,24E-01	9,97E+00	6,38E+00	1,01E+01	5,89E+00	8,61E+00	5,24E+00
1,35E+00	1,15E+01	6,64E+00	1,16E+01	6,10E+00	9,93E+00	5,44E+00
1,99E+00	1,30E+01	6,90E+00	1,31E+01	6,30E+00	1,12E+01	5,63E+00
2,92E+00	1,45E+01	7,11E+00	1,46E+01	6,48E+00	1,26E+01	5,79E+00
4,28E+00	1,61E+01	7,38E+00	1,60E+01	6,70E+00	1,39E+01	5,98E+00
6,28E+00	1,77E+01	7,82E+00	1,75E+01	7,07E+00	1,52E+01	6,31E+00
9,24E+00	1,95E+01	8,36E+00	1,93E+01	7,76E+00	1,68E+01	6,91E+00
1,35E+01	2,11E+01	9,18E+00	2,09E+01	8,54E+00	1,81E+01	7,62E+00
1,99E+01	2,26E+01	1,05E+01	2,23E+01	9,74E+00	1,93E+01	8,57E+00
2,92E+01	2,36E+01	1,26E+01	2,33E+01	1,18E+01	2,07E+01	1,08E+01
4,28E+01	2,33E+01	1,56E+01	2,26E+01	1,42E+01	1,71E+01	1,44E+01
6,28E+01	2,28E+01	2,16E+01	2,28E+01	1,87E+01	1,33E+01	1,69E+01

HMHEC 1,25% T=15°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	6,15E-02	3,00E-01	1,04E-01	3,90E-01	8,65E-02	3,40E-01
1,88E-02	3,43E-01	9,95E-01	4,29E-01	1,03E+00	3,32E-01	8,57E-01
4,40E-02	8,18E-01	1,73E+00	9,38E-01	1,71E+00	7,38E-01	1,45E+00
6,28E-02	1,18E+00	2,22E+00	1,35E+00	2,16E+00	1,07E+00	1,83E+00
9,42E-02	1,64E+00	2,56E+00	2,04E+00	2,86E+00	1,54E+00	2,26E+00
1,38E-01	2,26E+00	3,11E+00	2,75E+00	3,42E+00	2,10E+00	2,73E+00
2,01E-01	3,02E+00	3,68E+00	3,68E+00	4,03E+00	2,82E+00	3,23E+00
2,89E-01	3,89E+00	4,31E+00	4,77E+00	4,61E+00	3,69E+00	3,73E+00
4,27E-01	4,94E+00	4,90E+00	6,03E+00	5,16E+00	4,71E+00	4,21E+00
6,28E-01	6,13E+00	5,47E+00	7,41E+00	5,62E+00	5,83E+00	4,61E+00
9,24E-01	8,07E+00	5,80E+00	9,23E+00	6,23E+00	7,29E+00	5,12E+00
1,35E+00	9,49E+00	6,18E+00	1,08E+01	6,55E+00	8,60E+00	5,41E+00
1,99E+00	1,09E+01	6,50E+00	1,25E+01	6,88E+00	9,99E+00	5,68E+00
2,92E+00	1,23E+01	6,79E+00	1,42E+01	7,09E+00	1,14E+01	5,87E+00
4,28E+00	1,38E+01	7,14E+00	1,58E+01	7,32E+00	1,28E+01	6,09E+00
6,28E+00	1,53E+01	7,59E+00	1,75E+01	7,67E+00	1,42E+01	6,39E+00
9,24E+00	1,72E+01	7,98E+00	1,95E+01	8,35E+00	1,57E+01	6,93E+00
1,35E+01	1,87E+01	8,74E+00	2,11E+01	9,07E+00	1,70E+01	7,60E+00
1,99E+01	2,01E+01	9,90E+00	2,27E+01	1,02E+01	1,82E+01	8,48E+00
2,92E+01	2,14E+01	1,20E+01	2,39E+01	1,23E+01	1,97E+01	1,04E+01
4,28E+01	2,13E+01	1,56E+01	2,32E+01	1,47E+01	1,67E+01	1,40E+01
6,28E+01	2,02E+01	2,11E+01	2,46E+01	1,87E+01	1,59E+01	2,02E+01

HMHEC 1,25% T=20°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	9,70E-02	3,67E-01	5,34E-02	2,70E-01
1,88E-02	3,56E-01	9,08E-01	3,05E-01	8,73E-01
4,40E-02	7,81E-01	1,55E+00	7,03E-01	1,53E+00
6,28E-02	1,15E+00	2,01E+00	1,04E+00	1,98E+00
9,42E-02	1,72E+00	2,63E+00	1,65E+00	2,48E+00
1,38E-01	2,35E+00	3,19E+00	2,27E+00	3,03E+00
2,01E-01	3,21E+00	3,85E+00	3,08E+00	3,61E+00
2,89E-01	4,24E+00	4,49E+00	4,08E+00	4,20E+00
4,27E-01	5,45E+00	5,13E+00	5,20E+00	4,75E+00
6,28E-01	6,83E+00	5,71E+00	6,46E+00	5,26E+00
9,24E-01	8,59E+00	6,40E+00	8,25E+00	5,99E+00
1,35E+00	1,03E+01	6,86E+00	9,84E+00	6,40E+00
1,99E+00	1,20E+01	7,25E+00	1,15E+01	6,75E+00
2,92E+00	1,38E+01	7,56E+00	1,32E+01	7,02E+00
4,28E+00	1,56E+01	7,86E+00	1,49E+01	7,26E+00
6,28E+00	1,75E+01	8,27E+00	1,66E+01	7,57E+00
9,24E+00	1,96E+01	8,93E+00	1,87E+01	8,25E+00
1,35E+01	2,14E+01	9,66E+00	2,04E+01	8,88E+00
1,99E+01	2,32E+01	1,08E+01	2,19E+01	9,90E+00
2,92E+01	2,45E+01	1,29E+01	2,30E+01	1,18E+01
4,28E+01	2,42E+01	1,54E+01	2,24E+01	1,41E+01
6,28E+01	2,83E+01	2,98E+01	2,42E+01	2,15E+01

HMHEC 1,25% T=30°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,36E-02	1,33E-01	1,37E-02	1,04E-01	1,58E-02	1,09E-01
1,88E-02	1,37E-01	3,76E-01	1,63E-01	4,30E-01	1,38E-01	4,27E-01
4,40E-02	2,62E-01	6,25E-01	3,79E-01	7,96E-01	3,68E-01	8,15E-01
6,28E-02	3,66E-01	8,00E-01	5,66E-01	1,06E+00	5,71E-01	1,10E+00
9,42E-02	5,02E-01	1,02E+00	8,60E-01	1,46E+00	9,50E-01	1,58E+00
1,38E-01	7,07E-01	1,30E+00	1,19E+00	1,84E+00	1,34E+00	1,99E+00
2,01E-01	9,95E-01	1,63E+00	1,63E+00	2,30E+00	1,84E+00	2,47E+00
2,89E-01	1,38E+00	2,02E+00	2,20E+00	2,82E+00	2,50E+00	3,02E+00
4,27E-01	1,86E+00	2,45E+00	2,91E+00	3,40E+00	3,29E+00	3,60E+00
6,28E-01	2,48E+00	2,93E+00	3,76E+00	4,01E+00	4,25E+00	4,20E+00
9,24E-01	3,34E+00	3,54E+00	4,97E+00	4,80E+00	5,59E+00	5,02E+00
1,35E+00	4,25E+00	4,04E+00	6,21E+00	5,45E+00	6,94E+00	5,64E+00
1,99E+00	5,31E+00	4,53E+00	7,64E+00	6,09E+00	8,41E+00	6,20E+00
2,92E+00	6,48E+00	4,96E+00	9,21E+00	6,65E+00	1,00E+01	6,68E+00
4,28E+00	7,74E+00	5,35E+00	1,10E+01	7,17E+00	1,18E+01	7,09E+00
6,28E+00	9,05E+00	5,73E+00	1,28E+01	7,69E+00	1,36E+01	7,52E+00
9,24E+00	1,04E+01	6,26E+00	1,48E+01	8,39E+00	1,59E+01	8,35E+00
1,35E+01	1,17E+01	6,81E+00	1,67E+01	9,05E+00	1,78E+01	8,96E+00
1,99E+01	1,27E+01	7,69E+00	1,83E+01	1,00E+01	1,94E+01	9,85E+00
2,92E+01	1,36E+01	8,93E+00	1,98E+01	1,17E+01	2,08E+01	1,16E+01
4,28E+01	1,41E+01	1,28E+01	1,94E+01	1,42E+01	2,01E+01	1,36E+01
6,28E+01	1,02E+01	1,48E+01	1,62E+01	2,18E+01	1,77E+01	1,98E+01

HMHEC 1,25% T=40°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,33E-01	4,13E-01	1,19E-01	3,57E-01
1,38E-01	4,05E-01	6,75E-01	3,04E-01	6,51E-01
2,01E-01	5,29E-01	8,49E-01	4,52E-01	8,62E-01
2,89E-01	7,10E-01	1,07E+00	6,47E-01	1,12E+00
4,27E-01	9,39E-01	1,32E+00	9,05E-01	1,44E+00
6,28E-01	1,23E+00	1,60E+00	1,25E+00	1,79E+00
9,24E-01	1,61E+00	1,98E+00	1,72E+00	2,26E+00
1,35E+00	2,09E+00	2,35E+00	2,30E+00	2,72E+00
1,99E+00	2,66E+00	2,74E+00	3,02E+00	3,22E+00
2,92E+00	3,34E+00	3,12E+00	3,89E+00	3,70E+00
4,28E+00	4,12E+00	3,50E+00	4,88E+00	4,14E+00
6,28E+00	4,98E+00	3,88E+00	5,96E+00	4,54E+00
9,24E+00	5,59E+00	4,25E+00	7,16E+00	5,01E+00
1,35E+01	6,32E+00	4,73E+00	8,43E+00	5,42E+00
1,99E+01	7,16E+00	5,52E+00	9,76E+00	5,93E+00
2,92E+01	7,29E+00	6,93E+00	1,11E+01	6,57E+00
4,28E+01	8,69E+00	8,87E+00	1,23E+01	7,41E+00
6,28E+01	1,09E+01	1,73E+01	1,37E+01	9,09E+00

HMHEC 1,5% T=5°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	5,92E-01	1,31E+00	4,67E-01	1,16E+00
1,88E-02	1,69E+00	2,68E+00	1,30E+00	2,24E+00
4,40E-02	3,12E+00	3,99E+00	2,46E+00	3,43E+00
6,28E-02	4,14E+00	4,74E+00	3,42E+00	4,24E+00
9,42E-02	5,47E+00	5,63E+00	4,73E+00	5,09E+00
1,38E-01	6,96E+00	6,40E+00	6,06E+00	5,83E+00
2,01E-01	8,69E+00	7,14E+00	7,64E+00	6,55E+00
2,89E-01	1,06E+01	7,76E+00	9,46E+00	7,17E+00
4,27E-01	1,27E+01	8,26E+00	1,14E+01	7,69E+00
6,28E-01	1,49E+01	8,69E+00	1,35E+01	8,11E+00
9,24E-01	1,75E+01	9,21E+00	1,58E+01	8,61E+00
1,35E+00	1,96E+01	9,53E+00	1,79E+01	8,90E+00
1,99E+00	2,18E+01	9,95E+00	2,00E+01	9,26E+00
2,92E+00	2,41E+01	1,04E+01	2,21E+01	9,64E+00
4,28E+00	2,64E+01	1,10E+01	2,43E+01	1,01E+01
6,28E+00	2,89E+01	1,18E+01	2,66E+01	1,08E+01
9,24E+00	3,17E+01	1,31E+01	2,92E+01	1,19E+01
1,35E+01	3,45E+01	1,45E+01	3,17E+01	1,32E+01
1,99E+01	3,73E+01	1,66E+01	3,42E+01	1,51E+01
2,92E+01	3,97E+01	1,94E+01	3,61E+01	1,76E+01
4,28E+01	4,16E+01	2,36E+01	3,79E+01	2,12E+01
6,28E+01	4,29E+01	3,27E+01	3,96E+01	2,95E+01

HMHEC 1,5% T=5°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	5,92E-01	1,31E+00	4,67E-01	1,16E+00
1,88E-02	1,69E+00	2,68E+00	1,30E+00	2,24E+00
4,40E-02	3,12E+00	3,99E+00	2,46E+00	3,43E+00
6,28E-02	4,14E+00	4,74E+00	3,42E+00	4,24E+00
9,42E-02	5,47E+00	5,63E+00	4,73E+00	5,09E+00
1,38E-01	6,96E+00	6,40E+00	6,06E+00	5,83E+00
2,01E-01	8,69E+00	7,14E+00	7,64E+00	6,55E+00
2,89E-01	1,06E+01	7,76E+00	9,46E+00	7,17E+00
4,27E-01	1,27E+01	8,26E+00	1,14E+01	7,69E+00
6,28E-01	1,49E+01	8,69E+00	1,35E+01	8,11E+00
9,24E-01	1,75E+01	9,21E+00	1,58E+01	8,61E+00
1,35E+00	1,96E+01	9,53E+00	1,79E+01	8,90E+00
1,99E+00	2,18E+01	9,95E+00	2,00E+01	9,26E+00
2,92E+00	2,41E+01	1,04E+01	2,21E+01	9,64E+00
4,28E+00	2,64E+01	1,10E+01	2,43E+01	1,01E+01
6,28E+00	2,89E+01	1,18E+01	2,66E+01	1,08E+01
9,24E+00	3,17E+01	1,31E+01	2,92E+01	1,19E+01
1,35E+01	3,45E+01	1,45E+01	3,17E+01	1,32E+01
1,99E+01	3,73E+01	1,66E+01	3,42E+01	1,51E+01
2,92E+01	3,97E+01	1,94E+01	3,61E+01	1,76E+01
4,28E+01	4,16E+01	2,36E+01	3,79E+01	2,12E+01
6,28E+01	4,20E+01	3,25E+01	3,87E+01	3,12E+01

HMHEC 1,5% T=11°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,32E-01	7,19E-01	5,59E-01	1,35E+00
1,88E-02	8,20E-01	1,73E+00	1,68E+00	2,75E+00
4,40E-02	1,66E+00	2,81E+00	2,81E+00	4,23E+00
6,28E-02	2,34E+00	3,53E+00	3,83E+00	5,18E+00
9,42E-02	3,26E+00	4,27E+00	4,95E+00	5,63E+00
1,38E-01	4,38E+00	5,15E+00	6,32E+00	6,63E+00
2,01E-01	5,69E+00	5,95E+00	7,75E+00	7,50E+00
2,89E-01	7,24E+00	6,73E+00	9,59E+00	8,39E+00
4,27E-01	8,96E+00	7,46E+00	1,16E+01	9,11E+00
6,28E-01	1,09E+01	8,13E+00	1,38E+01	9,84E+00
9,24E-01	1,31E+01	8,56E+00	1,61E+01	9,69E+00
1,35E+00	1,53E+01	9,06E+00	1,82E+01	1,02E+01
1,99E+00	1,74E+01	9,54E+00	2,03E+01	1,06E+01
2,92E+00	1,95E+01	9,99E+00	2,25E+01	1,10E+01
4,28E+00	2,17E+01	1,05E+01	2,48E+01	1,15E+01
6,28E+00	2,40E+01	1,12E+01	2,72E+01	1,22E+01
9,24E+00	2,67E+01	1,21E+01	2,99E+01	1,28E+01
1,35E+01	2,92E+01	1,33E+01	3,23E+01	1,39E+01
1,99E+01	3,16E+01	1,51E+01	3,50E+01	1,56E+01
2,92E+01	3,37E+01	1,75E+01	3,72E+01	1,79E+01
4,28E+01	3,54E+01	2,13E+01	3,88E+01	2,16E+01
6,28E+01	3,61E+01	2,91E+01	3,89E+01	3,03E+01

HMHEC 1,5% T=15°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	3,08E-01	7,57E-01	2,22E-01	6,74E-01
1,88E-02	7,62E-01	1,69E+00	8,64E-01	1,73E+00
4,40E-02	1,61E+00	2,76E+00	1,77E+00	2,80E+00
6,28E-02	2,26E+00	3,44E+00	2,47E+00	3,46E+00
9,42E-02	3,16E+00	4,24E+00	3,44E+00	4,33E+00
1,38E-01	4,23E+00	5,05E+00	4,56E+00	5,12E+00
2,01E-01	5,51E+00	5,92E+00	5,91E+00	5,93E+00
2,89E-01	7,07E+00	6,75E+00	7,58E+00	6,74E+00
4,27E-01	8,88E+00	7,60E+00	9,39E+00	7,42E+00
6,28E-01	1,09E+01	8,33E+00	1,14E+01	8,04E+00
9,24E-01	1,33E+01	9,07E+00	1,40E+01	8,88E+00
1,35E+00	1,56E+01	9,64E+00	1,62E+01	9,33E+00
1,99E+00	1,79E+01	1,02E+01	1,86E+01	9,79E+00
2,92E+00	2,03E+01	1,06E+01	2,09E+01	1,02E+01
4,28E+00	2,29E+01	1,11E+01	2,33E+01	1,06E+01
6,28E+00	2,54E+01	1,18E+01	2,57E+01	1,12E+01
9,24E+00	2,83E+01	1,27E+01	2,84E+01	1,21E+01
1,35E+01	3,10E+01	1,38E+01	3,10E+01	1,32E+01
1,99E+01	3,36E+01	1,55E+01	3,35E+01	1,49E+01
2,92E+01	3,60E+01	1,79E+01	3,55E+01	1,73E+01
4,28E+01	3,78E+01	2,15E+01	3,70E+01	2,07E+01
6,28E+01	3,89E+01	3,00E+01	3,77E+01	2,81E+01

HMHEC 1,5% T=20°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	8,64E-01	1,23E+00	1,98E-01	6,28E-01
1,88E-02	1,37E+00	2,34E+00	4,89E-01	1,17E+00
4,40E-02	3,32E+00	5,01E+00	1,06E+00	1,99E+00
6,28E-02	3,39E+00	4,55E+00	1,59E+00	2,67E+00
9,42E-02	4,10E+00	5,61E+00	2,21E+00	3,33E+00
1,38E-01	5,58E+00	6,91E+00	3,05E+00	4,11E+00
2,01E-01	7,02E+00	8,19E+00	4,05E+00	4,92E+00
2,89E-01	8,66E+00	9,48E+00	5,35E+00	5,81E+00
4,27E-01	1,06E+01	1,11E+01	6,89E+00	6,72E+00
6,28E-01	1,28E+01	1,08E+01	8,96E+00	7,83E+00
9,24E-01	1,49E+01	1,19E+01	1,10E+01	8,68E+00
1,35E+00	1,76E+01	1,27E+01	1,33E+01	9,44E+00
1,99E+00	2,02E+01	1,37E+01	1,57E+01	1,02E+01
2,92E+00	2,29E+01	1,46E+01	1,83E+01	1,08E+01
4,28E+00	2,61E+01	1,58E+01	2,10E+01	1,13E+01
6,28E+00	2,95E+01	1,65E+01	2,40E+01	1,21E+01
9,24E+00	3,24E+01	1,77E+01	2,68E+01	1,30E+01
1,35E+01	3,52E+01	1,90E+01	2,98E+01	1,41E+01
1,99E+01	3,90E+01	2,09E+01	3,26E+01	1,57E+01
2,92E+01	4,24E+01	2,29E+01	3,52E+01	1,79E+01
4,28E+01	4,47E+01	2,68E+01	3,77E+01	2,14E+01
6,28E+01	4,54E+01	3,67E+01	3,87E+01	2,95E+01

HMHEC 1,5% T=30°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,40E+00	1,17E+00	4,27E-02	2,22E-01	5,00E-02	2,22E-01	3,60E-02	2,19E-01
1,88E-02	1,19E+00	1,34E+00	2,23E-01	6,68E-01	2,04E-01	5,83E-01	2,24E-01	7,36E-01
4,40E-02	1,44E+00	1,98E+00	5,16E-01	1,20E+00	4,37E-01	1,01E+00	5,67E-01	1,39E+00
6,28E-02	1,73E+00	2,50E+00	7,61E-01	1,57E+00	6,39E-01	1,31E+00	8,85E-01	1,88E+00
9,42E-02	2,30E+00	2,99E+00	1,02E+00	1,99E+00	9,15E-01	1,72E+00	1,47E+00	2,67E+00
1,38E-01	2,75E+00	3,66E+00	1,45E+00	2,52E+00	1,27E+00	2,16E+00	2,13E+00	3,43E+00
2,01E-01	3,41E+00	4,48E+00	2,02E+00	3,15E+00	1,78E+00	2,70E+00	2,95E+00	4,26E+00
2,89E-01	4,33E+00	5,47E+00	2,75E+00	3,88E+00	2,43E+00	3,30E+00	4,10E+00	5,28E+00
4,27E-01	5,74E+00	6,56E+00	3,67E+00	4,75E+00	3,24E+00	3,96E+00	5,46E+00	6,28E+00
6,28E-01	7,44E+00	7,81E+00	4,90E+00	5,80E+00	4,23E+00	4,65E+00	7,07E+00	7,34E+00
9,24E-01	8,96E+00	8,49E+00	6,68E+00	6,99E+00	5,60E+00	5,53E+00	9,31E+00	8,75E+00
1,35E+00	1,11E+01	9,69E+00	8,45E+00	7,92E+00	7,01E+00	6,24E+00	1,16E+01	9,92E+00
1,99E+00	1,35E+01	1,09E+01	1,06E+01	8,93E+00	8,63E+00	6,95E+00	1,41E+01	1,10E+01
2,92E+00	1,63E+01	1,20E+01	1,29E+01	9,82E+00	1,04E+01	7,60E+00	1,71E+01	1,21E+01
4,28E+00	1,91E+01	1,30E+01	1,54E+01	1,05E+01	1,23E+01	8,18E+00	2,03E+01	1,31E+01
6,28E+00	2,24E+01	1,41E+01	1,81E+01	1,13E+01	1,43E+01	8,80E+00	2,36E+01	1,41E+01
9,24E+00	2,53E+01	1,47E+01	2,12E+01	1,25E+01	1,65E+01	9,67E+00	2,74E+01	1,54E+01
1,35E+01	2,83E+01	1,58E+01	2,40E+01	1,35E+01	1,86E+01	1,05E+01	3,10E+01	1,66E+01
1,99E+01	3,15E+01	1,73E+01	2,66E+01	1,50E+01	2,04E+01	1,18E+01	3,44E+01	1,84E+01
2,92E+01	3,40E+01	1,92E+01	2,85E+01	1,72E+01	2,19E+01	1,38E+01	3,74E+01	2,07E+01
4,28E+01	3,63E+01	2,27E+01	2,94E+01	2,00E+01	2,24E+01	1,72E+01	4,00E+01	2,43E+01
6,28E+01	4,07E+01	3,18E+01	2,87E+01	2,58E+01	2,28E+01	2,31E+01	4,09E+01	3,29E+01

HMHEC 1,5% T=40°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	1,95E-01	5,25E-01	7,09E-01	1,70E+00	5,97E-01	5,83E-01
9,42E-02	2,94E-01	7,11E-01	1,10E+00	2,39E+00	8,00E-01	7,81E-01
1,38E-01	4,30E-01	9,50E-01	1,69E+00	3,29E+00	1,00E+00	1,01E+00
2,01E-01	6,11E-01	1,25E+00	2,52E+00	4,37E+00	1,26E+00	1,31E+00
2,89E-01	8,65E-01	1,61E+00	3,68E+00	5,62E+00	1,57E+00	1,69E+00
4,27E-01	1,22E+00	2,07E+00	5,14E+00	7,05E+00	1,97E+00	2,13E+00
6,28E-01	1,71E+00	2,63E+00	6,92E+00	8,67E+00	2,48E+00	2,65E+00
9,24E-01	2,41E+00	3,32E+00	9,52E+00	1,08E+01	3,22E+00	3,34E+00
1,35E+00	3,19E+00	3,97E+00	1,24E+01	1,29E+01	4,05E+00	4,03E+00
1,99E+00	4,19E+00	4,71E+00	1,59E+01	1,50E+01	5,10E+00	4,81E+00
2,92E+00	5,44E+00	5,46E+00	2,00E+01	1,71E+01	6,39E+00	5,59E+00
4,28E+00	6,94E+00	6,21E+00	2,47E+01	1,91E+01	7,87E+00	6,33E+00
6,28E+00	8,63E+00	6,97E+00	3,00E+01	2,11E+01	9,58E+00	7,07E+00
9,24E+00	1,06E+01	7,77E+00	3,63E+01	2,36E+01	1,15E+01	7,84E+00
1,35E+01	1,26E+01	8,44E+00	4,22E+01	2,55E+01	1,35E+01	8,55E+00
1,99E+01	1,46E+01	9,23E+00	4,82E+01	2,79E+01	1,56E+01	9,40E+00
2,92E+01	1,68E+01	1,02E+01	5,38E+01	3,10E+01	1,79E+01	1,04E+01
4,28E+01	1,89E+01	1,14E+01	5,80E+01	3,53E+01	2,01E+01	1,17E+01
6,28E+01	2,13E+01	1,29E+01	6,15E+01	4,25E+01	2,24E+01	1,31E+01

All. 2. Viscoelasticidad lineal derivados celulósicos no asociativos

HEC130 2%

ω (rad·s ⁻¹)	T=5°C		T=11°C		T=20°C		T=30°C	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
9,24E-03	7,96E-01	3,19E+00			7,72E-02	8,19E-01		
1,99E-02	1,37E+00	4,39E+00			6,09E-01	2,61E+00		
4,28E-02	3,21E+00	7,96E+00			1,60E+00	4,93E+00		
6,28E-02	4,79E+00	1,06E+01	4,13E+00	8,81E+00	2,51E+00	6,75E+00	2,71E+00	6,07E+00
9,24E-02	6,94E+00	1,38E+01	5,97E+00	1,15E+01	3,77E+00	8,98E+00	4,36E+00	8,49E+00
1,35E-01	9,71E+00	1,75E+01	8,40E+00	1,48E+01	5,52E+00	1,18E+01	6,37E+00	1,13E+01
1,99E-01	1,36E+01	2,20E+01	1,16E+01	1,87E+01	7,95E+00	1,52E+01	9,05E+00	1,47E+01
2,92E-01	1,87E+01	2,73E+01	1,58E+01	2,32E+01	1,12E+01	1,93E+01	1,25E+01	1,88E+01
4,28E-01	2,49E+01	3,32E+01	2,13E+01	2,85E+01	1,56E+01	2,42E+01	1,68E+01	2,33E+01
6,28E-01	3,27E+01	3,93E+01	2,84E+01	3,44E+01	2,13E+01	2,99E+01	2,24E+01	2,87E+01
9,24E-01	4,31E+01	4,71E+01	3,78E+01	4,17E+01	2,89E+01	3,67E+01	3,03E+01	3,59E+01
1,35E+00	5,47E+01	5,44E+01	4,84E+01	4,89E+01	3,79E+01	4,37E+01	3,94E+01	4,30E+01
1,99E+00	6,86E+01	6,21E+01	6,08E+01	5,61E+01	4,90E+01	5,13E+01	5,04E+01	5,06E+01
2,92E+00	8,50E+01	6,96E+01	7,57E+01	6,32E+01	6,23E+01	5,89E+01	6,36E+01	5,81E+01
4,28E+00	1,04E+02	7,69E+01	9,36E+01	7,03E+01	7,80E+01	6,63E+01	7,93E+01	6,56E+01
6,28E+00	1,24E+02	8,31E+01	1,13E+02	7,64E+01	9,60E+01	7,36E+01	9,76E+01	7,32E+01
9,24E+00	1,47E+02	8,90E+01	1,36E+02	8,33E+01	1,17E+02	8,15E+01	1,21E+02	8,21E+01
1,35E+01	1,72E+02	9,36E+01	1,60E+02	8,79E+01	1,40E+02	8,75E+01	1,45E+02	8,88E+01
1,99E+01	1,97E+02	9,82E+01	1,88E+02	9,27E+01	1,63E+02	9,34E+01	1,73E+02	9,57E+01
2,92E+01	2,23E+02	1,02E+02	2,21E+02	9,72E+01	1,88E+02	9,90E+01	2,07E+02	1,02E+02
4,28E+01	2,46E+02	1,06E+02	2,50E+02	1,01E+02	2,11E+02	1,05E+02	2,48E+02	1,08E+02
6,28E+01	2,68E+02	1,08E+02	2,80E+02	1,04E+02	2,33E+02	1,08E+02	3,07E+02	1,12E+02

HEC130 20°C

ω (rad·s ⁻¹)	0,5%		0,75%		1%	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	9,18E-03	4,41E-02	1,84E-02	8,05E-02	2,86E-02	2,10E-01
9,42E-02	1,05E-02	5,97E-02	2,38E-02	1,17E-01	4,37E-02	3,02E-01
1,38E-01	1,51E-02	8,33E-02	3,15E-02	1,72E-01	7,30E-02	4,42E-01
2,01E-01	2,11E-02	1,13E-01	4,77E-02	2,51E-01	1,21E-01	6,35E-01
2,89E-01	2,77E-02	1,54E-01	6,83E-02	3,54E-01	1,96E-01	8,88E-01
4,27E-01	3,96E-02	2,11E-01	1,07E-01	4,97E-01	3,17E-01	1,24E+00
6,28E-01	5,93E-02	2,88E-01	1,64E-01	6,90E-01	4,99E-01	1,69E+00
9,24E-01	9,26E-02	4,03E-01	2,75E-01	9,61E-01	8,28E-01	2,25E+00
1,35E+00	1,49E-01	5,47E-01	4,36E-01	1,32E+00	1,26E+00	2,98E+00
1,99E+00	2,17E-01	7,43E-01	6,80E-01	1,78E+00	1,86E+00	3,85E+00
2,92E+00	3,33E-01	1,01E+00	1,05E+00	2,37E+00	2,73E+00	4,93E+00
4,28E+00	4,95E-01	1,28E+00	1,58E+00	3,07E+00	3,92E+00	6,20E+00
6,28E+00	6,88E-01	1,56E+00	2,29E+00	3,90E+00	5,48E+00	7,64E+00
9,24E+00	9,16E-01	1,88E+00	3,20E+00	4,83E+00	7,42E+00	9,25E+00
1,35E+01	1,27E+00	2,35E+00	4,40E+00	5,91E+00	9,84E+00	1,09E+01
1,99E+01	1,74E+00	3,01E+00	5,88E+00	7,17E+00	1,27E+01	1,28E+01
2,92E+01	2,30E+00	3,74E+00	7,65E+00	8,58E+00	1,60E+01	1,47E+01
4,28E+01	2,87E+00	4,72E+00	9,58E+00	1,02E+01	1,96E+01	1,68E+01
6,28E+01	3,55E+00	6,36E+00	1,18E+01	1,20E+01	2,37E+01	1,89E+01

HEC9 25%

ω (rad·s ⁻¹)	T=5°C		T=11°C		T=20°C		T=30°C	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	1,20E+01	4,08E+01	7,59E+00	2,82E+01	3,20E+00	1,56E+01	1,13E+00	7,01E+00
9,24E-02	1,84E+01	5,56E+01	1,20E+01	3,91E+01	5,60E+00	2,26E+01	3,84E+00	1,25E+01
1,35E-01	2,73E+01	7,42E+01	1,65E+01	5,11E+01	5,78E+00	2,79E+01	5,50E+00	2,06E+01
1,99E-01	4,00E+01	9,85E+01	2,46E+01	6,84E+01	9,16E+00	3,83E+01	8,00E+00	3,11E+01
2,92E-01	5,77E+01	1,29E+02	3,58E+01	9,05E+01	1,39E+01	5,19E+01	1,10E+01	4,45E+01
4,28E-01	8,19E+01	1,68E+02	5,14E+01	1,19E+02	2,10E+01	6,98E+01	1,80E+01	6,10E+01
6,28E-01	1,15E+02	2,16E+02	7,33E+01	1,55E+02	3,19E+01	9,43E+01	2,60E+01	8,12E+01
9,24E-01	1,57E+02	2,74E+02	1,02E+02	1,99E+02	4,69E+01	1,25E+02	4,00E+01	1,12E+02
1,35E+00	2,13E+02	3,44E+02	1,41E+02	2,54E+02	6,82E+01	1,64E+02	6,00E+01	1,46E+02
1,99E+00	2,86E+02	4,30E+02	1,92E+02	3,22E+02	9,79E+01	2,15E+02	8,50E+01	1,86E+02
2,92E+00	3,82E+02	5,31E+02	2,61E+02	4,04E+02	1,40E+02	2,78E+02	1,20E+02	2,36E+02
4,28E+00	5,04E+02	6,45E+02	3,51E+02	5,00E+02	1,97E+02	3,54E+02	1,80E+02	2,96E+02
6,28E+00	6,57E+02	7,78E+02	4,65E+02	6,12E+02	2,73E+02	4,46E+02	2,50E+02	3,73E+02
9,24E+00	8,44E+02	9,31E+02	6,07E+02	7,42E+02	3,70E+02	5,54E+02	3,40E+02	4,74E+02
1,35E+01	1,07E+03	1,10E+03	7,85E+02	8,90E+02	4,98E+02	6,82E+02	4,50E+02	5,82E+02
1,99E+01	1,35E+03	1,29E+03	1,01E+03	1,07E+03	6,61E+02	8,39E+02	6,00E+02	7,18E+02
2,92E+01	1,68E+03	1,51E+03	1,27E+03	1,26E+03	8,64E+02	1,02E+03	7,80E+02	8,80E+02
4,28E+01	2,06E+03	1,75E+03	1,58E+03	1,49E+03	1,11E+03	1,23E+03	9,50E+02	1,07E+03
6,28E+01	2,53E+03	1,97E+03	1,97E+03	1,69E+03	1,42E+03	1,42E+03	1,25E+03	1,25E+03

HEC9 20°C

ω (rad·s ⁻¹)	2,5%		5%		10%	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	1,40E-04	1,98E-03	1,05E-03	7,34E-03	2,81E-04	1,08E-01
9,42E-02	1,98E-04	2,33E-03	9,59E-04	9,94E-03	5,11E-04	1,57E-01
1,38E-01	3,57E-04	3,50E-03	1,37E-03	1,41E-02	9,33E-04	2,30E-01
2,01E-01	4,34E-04	5,21E-03	1,96E-03	2,02E-02	3,83E-03	3,33E-01
2,89E-01	6,83E-04	7,64E-03	2,40E-03	2,85E-02	5,04E-03	4,88E-01
4,27E-01	1,07E-03	1,11E-02	3,18E-03	4,19E-02	1,63E-02	6,91E-01
6,28E-01	1,67E-03	1,63E-02	4,12E-03	6,02E-02	2,56E-02	9,83E-01
9,24E-01	2,69E-03	2,35E-02	5,13E-03	8,74E-02	4,60E-02	1,36E+00
1,35E+00	3,08E-03	3,44E-02	8,19E-03	1,26E-01	8,92E-02	1,96E+00
1,99E+00	7,49E-03	4,90E-02	1,07E-02	1,80E-01	1,71E-01	3,17E+00
2,92E+00	1,37E-02	7,19E-02	1,66E-02	2,66E-01	3,15E-01	4,51E+00
4,28E+00	2,31E-02	9,91E-02	3,08E-02	3,89E-01	5,54E-01	5,53E+00
6,28E+00	4,31E-02	1,46E-01	4,00E-02	5,69E-01	1,10E+00	8,43E+00
9,24E+00	4,60E-02	2,15E-01	5,46E-02	9,16E-01	1,93E+00	1,31E+01
1,35E+01	7,89E-02	3,21E-01	9,05E-02	1,36E+00	2,44E+00	1,86E+01
1,99E+01	2,16E-01	4,72E-01	1,59E-01	1,96E+00	4,12E+00	2,74E+01
2,92E+01	3,14E-01	7,44E-01	2,23E-01	3,89E+00	6,85E+00	3,86E+01
4,28E+01	2,46E-01	1,23E+00	3,19E-01	4,81E+00	1,09E+01	5,13E+01
6,28E+01	4,81E-01	2,20E+00	5,79E-01	7,51E+00	1,89E+01	7,55E+01

HPMC 4%

ω (rad·s ⁻¹)	T=5°C		T=11°C		T=20°C		T=30°C	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	1,02E+00	7,62E+00	8,72E-01	5,78E+00	4,69E-01	4,07E+00	5,24E-01	3,88E+00
9,24E-02	1,79E+00	1,09E+01	1,40E+00	8,34E+00	7,51E-01	5,87E+00	9,15E-01	6,00E+00
1,35E-01	3,02E+00	1,54E+01	2,29E+00	1,18E+01	1,26E+00	8,41E+00	1,66E+00	8,45E+00
1,99E-01	4,98E+00	2,14E+01	3,71E+00	1,65E+01	2,12E+00	1,20E+01	2,59E+00	1,18E+01
2,92E-01	8,05E+00	2,95E+01	5,92E+00	2,29E+01	3,50E+00	1,69E+01	3,96E+00	1,61E+01
4,28E-01	1,27E+01	4,01E+01	9,38E+00	3,14E+01	5,73E+00	2,35E+01	5,92E+00	2,19E+01
6,28E-01	1,96E+01	5,38E+01	1,45E+01	4,24E+01	9,21E+00	3,22E+01	9,20E+00	2,87E+01
9,24E-01	2,98E+01	7,17E+01	2,23E+01	5,74E+01	1,45E+01	4,44E+01	1,59E+01	4,02E+01
1,35E+00	4,40E+01	9,32E+01	3,34E+01	7,58E+01	2,22E+01	5,93E+01	2,32E+01	5,35E+01
1,99E+00	6,37E+01	1,19E+02	4,85E+01	9,72E+01	3,34E+01	7,81E+01	3,35E+01	7,02E+01
2,92E+00	9,09E+01	1,50E+02	6,97E+01	1,23E+02	4,97E+01	1,01E+02	4,85E+01	9,11E+01
4,28E+00	1,27E+02	1,85E+02	9,99E+01	1,54E+02	7,25E+01	1,29E+02	6,94E+01	1,16E+02
6,28E+00	1,74E+02	2,23E+02	1,42E+02	1,93E+02	1,03E+02	1,61E+02	9,64E+01	1,44E+02
9,24E+00	2,32E+02	2,67E+02	1,92E+02	2,33E+02	1,44E+02	1,99E+02	1,36E+02	1,83E+02
1,35E+01	3,04E+02	3,10E+02	2,53E+02	2,73E+02	1,94E+02	2,39E+02	1,84E+02	2,19E+02
1,99E+01	3,88E+02	3,56E+02	3,32E+02	3,20E+02	2,58E+02	2,84E+02	2,46E+02	2,63E+02
2,92E+01	4,86E+02	4,03E+02	4,28E+02	3,67E+02	3,33E+02	3,31E+02	3,23E+02	3,09E+02
4,28E+01	5,92E+02	4,48E+02	5,40E+02	4,09E+02	4,18E+02	3,79E+02	4,20E+02	3,55E+02
6,28E+01	7,14E+02	4,79E+02	6,82E+02	4,45E+02	5,19E+02	4,18E+02	5,49E+02	3,96E+02

HPMC 20°C

ω (rad·s ⁻¹)	0,5%		1%		2%	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	5,76E-03	4,29E-03	7,97E-03	1,78E-02	2,12E-02	1,60E-01
9,42E-02	5,99E-03	5,39E-03	9,54E-03	2,40E-02	3,15E-02	2,25E-01
1,38E-01	6,11E-03	6,05E-03	1,31E-02	3,41E-02	4,80E-02	3,45E-01
2,01E-01	6,26E-03	8,19E-03	1,88E-02	5,01E-02	6,23E-02	4,99E-01
2,89E-01	6,12E-03	1,00E-02	2,29E-02	7,07E-02	1,02E-01	7,12E-01
4,27E-01	6,33E-03	1,44E-02	2,76E-02	9,96E-02	1,60E-01	1,06E+00
6,28E-01	8,31E-03	1,88E-02	3,41E-02	1,43E-01	2,40E-01	1,75E+00
9,24E-01	1,24E-02	2,96E-02	4,19E-02	2,24E-01	3,63E-01	2,53E+00
1,35E+00	1,68E-02	3,95E-02	5,51E-02	3,26E-01	5,70E-01	3,55E+00
1,99E+00	2,04E-02	5,77E-02	7,89E-02	4,75E-01	9,75E-01	4,98E+00
2,92E+00	2,75E-02	8,08E-02	1,18E-01	6,92E-01	1,67E+00	6,99E+00
4,28E+00	3,90E-02	1,16E-01	1,92E-01	1,00E+00	2,72E+00	9,57E+00
6,28E+00	5,00E-02	1,68E-01	3,09E-01	1,44E+00	4,45E+00	1,32E+01
9,24E+00	6,51E-02	2,50E-01	4,50E-01	2,07E+00	7,24E+00	1,82E+01
1,35E+01	1,22E-01	3,61E-01	7,36E-01	2,91E+00	1,11E+01	2,39E+01
1,99E+01	1,76E-01	5,87E-01	1,16E+00	4,08E+00	1,64E+01	3,09E+01
2,92E+01	4,27E-01	6,59E-01	1,77E+00	5,65E+00	2,33E+01	3,89E+01
4,28E+01	4,91E-01	1,21E+00	2,58E+00	7,77E+00	3,20E+01	4,77E+01
6,28E+01	1,76E+00	1,84E+00	3,63E+00	1,07E+01	4,38E+01	5,76E+01

Apéndice III. Viscosidad estacionaria

III. 1. Viscosidad estacionaria HMHEC

HMHEC 0,5%

T = 5°C		T = 11°C		T = 20°C		T = 30°C		T = 40°C	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,07	4,98E+00	0,07	1,54E+00	0,07	6,92E-01	0,07	2,40E-01	0,07	2,32E-01
0,1	5,47E+00	0,1	1,52E+00	0,1	6,80E-01	0,1	2,45E-01	0,1	1,67E-01
0,2	6,43E+00	0,2	1,58E+00	0,2	6,64E-01	0,2	2,12E-01	0,2	1,39E-01
0,5	7,32E+00	0,5	1,93E+00	0,5	7,02E-01	0,5	1,92E-01	0,5	1,14E-01
1	4,22E+00	1	2,25E+00	1	8,70E-01	1	1,70E-01	1	8,89E-02
2	2,69E+00	2	1,69E+00	2	9,91E-01	2	1,69E-01	2	7,06E-02
5	1,46E+00	5	1,03E+00	5	6,63E-01	5	1,93E-01	5	6,45E-02
10	7,36E-01	10	6,41E-01	10	4,56E-01	10	1,94E-01	10	6,48E-02
20	3,64E-01	20	3,39E-01	20	2,58E-01	20	1,40E-01	20	6,27E-02
50	1,51E-01	50	1,41E-01	50	1,11E-01	50	7,63E-02	50	4,32E-02
100	8,48E-02	100	7,58E-02	100	5,82E-02	100	4,60E-02	100	2,91E-02
200	5,18E-02	200	4,34E-02	200	3,34E-02	200	2,69E-02	200	1,92E-02
500	2,95E-02	500	2,42E-02	500	1,88E-02	500	1,49E-02	500	1,15E-02
1000	2,01E-02	1000	1,63E-02	1000	1,28E-02	1000	1,02E-02	1000	8,12E-03
2000	1,39E-02	2000	1,14E-02	2000	8,93E-03	2000	7,25E-03	2000	5,78E-03
3000	1,13E-02	3000	9,44E-03	3000	7,38E-03	3000	6,03E-03	3000	4,91E-03
4000	9,97E-03	4000	8,29E-03	4000	6,53E-03	4000	5,37E-03	4000	4,45E-03
5000	9,04E-03	5000	7,67E-03	5000	6,12E-03	5000	5,06E-03	5000	4,22E-03

HMHEC 0,75%

T = 5°C		T = 11°C		T = 20°C		T = 30°C		T = 40°C	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,07	4,82E+01	0,07	2,80E+01	0,07	7,06E+00	0,07	1,56E+00	0,07	6,17E-01
0,1	4,66E+01	0,1	2,75E+01	0,1	7,48E+00	0,1	1,65E+00	0,1	5,77E-01
0,2	3,78E+01	0,2	2,42E+01	0,2	7,59E+00	0,2	1,59E+00	0,2	5,73E-01
0,5	1,62E+01	0,5	1,49E+01	0,5	7,08E+00	0,5	1,58E+00	0,5	4,94E-01
1	9,68E+00	1	9,00E+00	1	5,29E+00	1	1,60E+00	1	4,22E-01
2	5,82E+00	2	4,14E+00	2	3,32E+00	2	1,53E+00	2	4,11E-01
6	3,25E+00	5	1,96E+00	5	1,94E+00	5	1,11E+00	5	4,05E-01
10	1,51E+00	10	9,22E-01	10	1,20E+00	10	7,81E-01	10	3,32E-01
19	8,70E-01	20	5,06E-01	20	6,24E-01	20	5,27E-01	20	2,58E-01
50	3,38E-01	50	2,46E-01	50	2,55E-01	50	2,61E-01	50	1,52E-01
100	1,88E-01	100	1,48E-01	100	1,37E-01	100	1,39E-01	100	9,43E-02
200	1,11E-01	200	9,15E-02	200	7,83E-02	200	7,41E-02	200	5,54E-02
500	6,04E-02	500	5,04E-02	500	4,18E-02	500	3,65E-02	500	2,84E-02
1000	3,94E-02	1000	3,26E-02	1000	2,72E-02	1000	2,30E-02	1000	1,79E-02
2000	2,58E-02	2000	2,16E-02	2000	1,81E-02	2000	1,51E-02	2000	1,19E-02
3000	2,04E-02	3000	1,69E-02	3000	1,44E-02	3000	1,20E-02	3000	9,45E-03
4000	1,73E-02	4000	1,44E-02			4000	1,03E-02	4000	8,15E-03
5000	1,54E-02	5000	1,30E-02			5000	9,22E-03	5000	7,36E-03

HMHEC 1%

T = 5°C		T = 11°C		T = 20°C		T = 30°C		T = 40°C	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,07	5,44E+01	0,07	3,54E+01	0,07	1,39E+01	0,07	4,08E+00	0,07	2,20E+00
0,1	5,18E+01	0,1	3,42E+01	0,1	1,40E+01	0,1	5,35E+00	0,1	2,21E+00
0,2	4,54E+01	0,2	3,06E+01	0,2	1,38E+01	0,2	5,10E+00	0,2	2,15E+00
0,5	2,22E+01	0,5	2,10E+01	0,5	1,16E+01	0,5	4,81E+00	0,5	1,98E+00
1	1,39E+01	1	1,52E+01	1	9,81E+00	1	4,11E+00	1	1,89E+00
2	8,28E+00	2	8,04E+00	2	6,73E+00	2	3,35E+00	2	1,74E+00
5	4,88E+00	5	4,97E+00	5	3,73E+00	5	2,15E+00	5	1,24E+00
10	2,45E+00	10	2,61E+00	10	2,60E+00	10	1,50E+00	10	9,15E-01
20	1,19E+00	20	1,26E+00	20	1,40E+00	20	9,77E-01	20	6,40E-01
50	5,05E-01	50	5,14E-01	50	5,55E-01	50	4,62E-01	50	3,52E-01
100	2,82E-01	100	2,79E-01	100	2,83E-01	100	2,47E-01	100	1,99E-01
200	1,67E-01	200	1,62E-01	200	1,57E-01	200	1,37E-01	200	1,11E-01
500	8,83E-02	500	8,44E-02	500	7,78E-02	500	6,74E-02	500	5,43E-02
1000	5,58E-02	1000	5,34E-02	1000	4,84E-02	1000	4,19E-02	1000	3,33E-02
2000	3,60E-02	2000	3,43E-02	2000	3,09E-02	2000	2,70E-02	2000	2,11E-02
3000	2,77E-02	3000	2,67E-02	3000	2,39E-02	3000	2,11E-02	3000	1,65E-02
4000	2,29E-02	4000	2,24E-02	4000	2,01E-02	4000	1,78E-02	4000	1,39E-02
5000	1,95E-02	5000	2,00E-02						

HMHEC 1,25%

T = 5°C		T = 11°C		T = 20°C		T = 30°C		T = 40°C	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,015	1,50E+02	0,015	1,16E+02	0,015	3,59E+01	0,07	1,06E+01	0,07	2,96E+00
0,02	1,45E+02	0,02	1,11E+02	0,02	3,54E+01	0,1	1,03E+01	0,1	3,55E+00
0,07	1,13E+02	0,07	9,21E+01	0,07	3,13E+01	0,2	9,62E+00	0,2	3,38E+00
0,1	9,47E+01	0,1	8,04E+01	0,1	3,00E+01	0,5	8,62E+00	0,5	3,15E+00
0,2	7,65E+01	0,2	6,78E+01	0,2	2,64E+01	1	7,52E+00	1	2,86E+00
0,5	4,87E+01	0,5	4,95E+01	0,5	2,16E+01	2	5,49E+00	2	2,47E+00
1	3,09E+01	1	2,85E+01	1	1,58E+01	5	3,43E+00	5	1,83E+00
2	1,53E+01	2	1,90E+01	2	1,13E+01	10	2,27E+00	10	1,34E+00
5	5,40E+00	5	7,84E+00	5	6,76E+00	20	1,47E+00	20	9,15E-01
10	2,79E+00	10	3,79E+00	10	3,86E+00	50	7,01E-01	50	4,91E-01
20	1,55E+00	20	1,86E+00	20	2,03E+00	100	3,57E-01	100	2,90E-01
50	7,46E-01	50	7,82E-01	50	8,30E-01	200	1,95E-01	200	1,65E-01
100	4,42E-01	100	4,30E-01	100	4,11E-01	500	9,54E-02	500	8,03E-02
200	2,66E-01	200	2,49E-01	200	2,29E-01	1000	5,83E-02	1000	4,84E-02
500	1,37E-01	500	1,28E-01	500	1,15E-01	2000	3,68E-02	2000	3,03E-02
		1000	8,02E-02	1000	7,22E-02	3000	2,84E-02	3000	2,33E-02
						4000	2,38E-02	4000	1,95E-02
						5000	2,08E-02	5000	1,71E-02

HMHEC 1,5%

T = 5°C		T = 11°C		T = 20°C		T = 30°C		T = 40°C	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,015	2,04E+02	0,015	1,68E+02	0,015	6,86E+01	0,015	2,78E+01	0,015	1,43E+01
0,02	1,97E+02	0,02	1,57E+02	0,03	6,87E+01	0,03	3,22E+01	0,03	1,45E+01
0,07	1,52E+02	0,07	1,20E+02	0,07	6,03E+01	0,07	2,72E+01	0,07	1,04E+01
0,1	1,28E+02	0,1	1,03E+02	0,1	5,53E+01	0,1	2,56E+01	0,1	9,86E+00
0,2	1,02E+02	0,2	8,24E+01	0,2	4,66E+01	0,2	2,25E+01	0,2	8,97E+00
0,5	6,40E+01	0,5	5,76E+01	0,5	3,52E+01	0,5	1,81E+01	0,5	7,83E+00
1	4,33E+01	1	3,71E+01	1	2,51E+01	1	1,46E+01	1	6,77E+00
2	2,56E+01	2	2,52E+01	2	1,76E+01	2	1,08E+01	2	5,54E+00
5	1,04E+01	5	8,56E+00	5	9,91E+00	5	6,78E+00	5	3,80E+00
10	5,25E+00	10	4,08E+00	10	5,37E+00	10	4,35E+00	10	2,62E+00
20	2,66E+00	20	2,26E+00	20	2,84E+00	20	2,43E+00	20	1,71E+00
50	1,14E+00	50	1,02E+00	50	1,19E+00	50	1,06E+00	50	8,85E-01
100	6,56E-01	100	5,98E-01	100	6,32E-01	100	5,43E-01	100	5,07E-01
200	3,78E-01	200	3,45E-01	200	3,61E-01	200	3,06E-01	200	2,89E-01
500	1,89E-01	500	1,76E-01	500	1,83E-01	500	1,52E-01	500	1,41E-01
1000	1,19E-01								

AIII. 2. Viscosidad estacionaria derivados celulósicos no asociativos

HEC9 T = 20°C

HEC9 2,5%		HEC9 5%		HEC9 10%	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
2,97E+00	1,69E-02	4,69E-01	1,07E-01	3,24E-02	1,54
5,88E+00	1,70E-02	9,53E-01	1,05E-01	6,34E-02	1,58
1,16E+01	1,73E-02	1,92E+00	1,04E-01	1,28E-01	1,56
2,86E+01	1,75E-02	4,76E+00	1,05E-01	3,17E-01	1,58
3,99E+01	1,75E-02	6,63E+00	1,06E-01	4,46E-01	1,57
5,69E+01	1,76E-02	9,46E+00	1,06E-01	6,37E-01	1,57
		1,89E+01	1,06E-01	1,27E+00	1,57
		7,67E+01	1,04E-01	2,56E+00	1,56
		9,62E+01	1,04E-01	3,89E+00	1,54
		1,46E+02	1,02E-01	5,22E+00	1,53
		1,97E+02	1,01E-01	6,59E+00	1,52
		2,81E+02	9,95E-02	1,00E+01	1,49
		6,38E+02	9,40E-02	1,36E+01	1,47
				1,94E+01	1,44
				4,43E+01	1,35
				1,11E+02	1,21

HEC130 T = 20°C

HEC130 0,5%		HEC130 0,75%		HEC130 1%	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
1,57E-01	3,18E-01	3,50E-02	1,43E+00	1,43E-02	3,50E+00
3,39E-01	2,95E-01	6,99E-02	1,43E+00	2,75E-02	3,64E+00
2,23E+00	2,69E-01	1,45E-01	1,38E+00	5,38E-02	3,72E+00
4,05E+00	2,47E-01	4,59E-01	1,31E+00	1,38E-01	3,63E+00
9,67E+00	2,07E-01	8,28E-01	1,21E+00	1,99E-01	3,52E+00
2,50E+01	1,58E-01	1,88E+00	1,06E+00	2,99E-01	3,35E+00
6,41E+01	1,09E-01	1,11E+01	6,30E-01	6,66E-01	3,00E+00
1,22E+02	8,19E-02	2,14E+01	4,68E-01	1,61E+00	2,49E+00
4,78E+02	4,18E-02	8,43E+01	2,37E-01	2,84E+00	2,11E+00
1,95E+03	2,04E-02	4,69E+02	8,52E-02	4,43E+00	1,81E+00
3,04E+03	1,66E-02	8,50E+02	5,87E-02	6,39E+00	1,56E+00
		1,04E+03	5,10E-02	1,33E+01	1,13E+00
		1,38E+03	4,34E-02	2,39E+01	8,38E-01
		1,87E+03	3,57E-02	6,11E+01	4,91E-01
		2,04E+03	3,37E-02	1,19E+02	3,18E-01
		3,04E+03	2,63E-02	1,32E+02	3,04E-01
				3,32E+02	1,66E-01
				4,39E+02	1,37E-01
				7,38E+02	9,76E-02
				1,04E+03	7,75E-02
				2,04E+03	4,95E-02
				3,04E+03	3,81E-02

HPMC T = 20°C

HPMC 0,5%		HPMC 1%		HPMC 2%	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
4,95E+00	2,02E-02	3,85E-01	2,60E-01	1,35E-02	3,70E+00
1,46E+01	2,05E-02	1,16E+00	2,59E-01	1,86E-02	3,76E+00
2,97E+01	2,02E-02	1,98E+00	2,53E-01	2,63E-02	3,80E+00
3,40E+01	2,06E-02	2,72E+00	2,57E-01	7,69E-02	3,90E+00
4,85E+01	2,06E-02	4,00E+00	2,50E-01	1,28E-01	3,92E+00
1,54E+02	1,95E-02	1,24E+01	2,42E-01	1,79E-01	3,92E+00
2,66E+02	1,88E-02	2,16E+01	2,32E-01	2,55E-01	3,92E+00
3,95E+02	1,77E-02	3,18E+01	2,20E-01	7,83E-01	3,83E+00
5,88E+02	1,70E-02	4,90E+01	2,04E-01	1,35E+00	3,71E+00
9,68E+02	1,55E-02	6,67E+01	1,95E-01	1,94E+00	3,60E+00
1,39E+03	1,44E-02	8,06E+01	1,86E-01	2,96E+00	3,38E+00
2,03E+03	1,30E-02	1,19E+02	1,68E-01	4,70E+00	3,19E+00
3,05E+03	1,18E-02	4,81E+02	1,04E-01	8,90E+00	2,81E+00
		8,00E+02	8,37E-02	2,27E+01	2,20E+00
		1,03E+03	7,47E-02	3,70E+01	1,81E+00
		1,53E+03	6,22E-02	5,16E+01	1,59E+00
		2,02E+03	5,45E-02	7,11E+01	1,39E+00
		2,54E+03	4,89E-02	9,11E+01	1,24E+00
		3,05E+03	4,46E-02	1,01E+02	1,18E+00
				1,11E+02	1,13E+00
				1,19E+02	1,09E+00
				1,29E+02	1,05E+00

Apéndice IV. Tixotropía

AIV. 1. Resultados reómetro CV 20

AIV. 1. 1. Tixotropía celulosas no asociativas

HEC130 1%; T = 20°C (CV 20)

$\dot{\gamma}_1 = 8 s^{-1}$				$\dot{\gamma}_1 = 200 s^{-1}$			
$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	1,885	2	2,128	0	0,282	0	0,293
20	2,009	18	2,096	15,6	0,283	15,6	0,285
36	2,004	34	2,095	31,8	0,283	31,8	0,285
52	2,009	50	2,073	48	0,283	48	0,285
68	2,021	67	2,069	64,2	0,283	64,2	0,284
85	2,021	83	2,055	80,4	0,283	80,4	0,285
101	2,009	98	2,068	96,6	0,283	96,6	0,285
117	2,000	115	2,076	112,8	0,283	112,2	0,284
133	2,004	131	2,067	128,4	0,283	128,4	0,284
149	2,015	147	2,067	144,6	0,283	144,6	0,284
165	2,019	163	2,056	160,8	0,283	160,8	0,284
181	1,995	179	2,065	177	0,283	177	0,284
197	2,002	195	2,070	193,2	0,283	193,2	0,284
214	2,009	211	2,063	209,4	0,283	209,4	0,284
229	2,013	227	2,058	225	0,283	225	0,284
245	2,020	244	2,055	241,2	0,283	241,2	0,284
262	2,009	260	2,061	257,4	0,283	257,4	0,284
278	2,000	276	2,060	273,6	0,283	273,6	0,284
294	2,013	292	2,060	289,8	0,283	289,8	0,284
311	2,011	309	2,060	306,6	0,283	306,6	0,284
325	2,004	323	2,063	321	0,283	321	0,284
340	2,000	338	2,063	335,4	0,283	335,4	0,284
354	2,013	352	2,044	349,8	0,283	349,8	0,284
368	2,009	367	2,063	364,2	0,283	364,2	0,284
383	2,018	381	2,057	378,6	0,283	378,6	0,284
397	1,996	395	2,053	393	0,283	393	0,284
412	2,020	410	2,063	407,4	0,283	407,4	0,284
426	2,018	424	2,063	421,8	0,283	421,8	0,284
440	2,013	439	2,058	436,2	0,283	436,2	0,284
455	2,020	453	2,063	450,6	0,283	450,6	0,284
469	2,018	467	2,060	465	0,283	465	0,284
484	2,008	482	2,052	479,4	0,283	479,4	0,284
498	2,004	496	2,061	493,8	0,283	493,8	0,284
512	2,007	511	2,058	508,2	0,283	508,2	0,284
527	2,029	525	2,060	522,6	0,283	522,6	0,284
541	2,008	539	2,057	537	0,283	537	0,284
556	2,010	554	2,055	551,4	0,283	551,4	0,284
570	2,000	568	2,052	565,8	0,283	565,8	0,284
584	1,996	583	2,053	580,2	0,283	580,2	0,284
601	2,018	601	2,052	600	0,283	600	0,284

HPMC 2%; $T = 20^{\circ}\text{C}$ (CV 20)

$\dot{\gamma}_1 = 8\text{ s}^{-1}$				$\dot{\gamma}_1 = 200\text{ s}^{-1}$			
$\dot{\gamma}_0 = 600\text{ s}^{-1}$		$\dot{\gamma}_0 = 0\text{ s}^{-1}$		$\dot{\gamma}_0 = 600\text{ s}^{-1}$		$\dot{\gamma}_0 = 0\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
0	1,962	0	2,103	0	0,661	0	0,665
19,8	1,954	19,8	2,245	19,8	0,665	19,8	0,665
40,2	1,998	40,2	2,236	40,2	0,664	40,2	0,664
60	2,004	60,6	2,236	60	0,666	60,6	0,664
80,4	2,025	80,4	2,241	80,4	0,665	80,4	0,663
100,8	2,025	100,8	2,238	100,8	0,667	100,8	0,663
120,6	2,072	120,6	2,246	120,6	0,665	120,6	0,661
141	2,147	141	2,213	141	0,667	141	0,662
160,8	2,121	160,8	2,264	160,8	0,665	160,8	0,661
181,2	2,103	181,2	2,222	181,2	0,667	181,2	0,662
201	2,145	201	2,203	201	0,666	201	0,66
221,4	2,113	221,4	2,224	221,4	0,668	221,4	0,662
241,8	2,133	241,8	2,169	241,2	0,666	241,8	0,66
261,6	2,107	261,6	2,236	261,6	0,667	261,6	0,662
282	2,158	282	2,245	282	0,666	282	0,66
301,2	2,167	301,8	2,212	301,8	0,667	301,8	0,661
325,2	2,194	337,8	2,232	337,8	0,668	337,8	0,661
339,6	2,15	359,4	2,199	359,4	0,667	359,4	0,662
354	2,194	381	2,265	381	0,666	381	0,66
369,6	2,13	404,4	2,229	404,4	0,667	404,4	0,66
384	2,194	426	2,268	426	0,667	426	0,661
398,4	2,194	447,6	2,237	447,6	0,666	447,6	0,66
414	2,132	471	2,251	471	0,666	471	0,66
429,6	2,195	494,4	2,228	494,4	0,666	494,4	0,661
446,4	2,195	519,6	2,203	519,6	0,667	519,6	0,662
462	2,13	543	2,199	543	0,666	543	0,661
477,6	2,195	566,4	2,201	566,4	0,666	566,4	0,66
494,4	2,195	591,6	2,192	591,6	0,666	591,6	0,66
512,4	2,195	600	2,192	600	0,666	600	0,66
531,6	2,158						
549,6	2,194						
567,6	2,132						
584,4	2,132						
600	2,195						

HEC9 10%; T = 20°C (CV 20)

$\dot{\gamma}_1 = 8 s^{-1}$				$\dot{\gamma}_1 = 200 s^{-1}$	
$\dot{\gamma}_0 = 300 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
0	1,204	0	1,199	0	0,857
12	1,234	12	1,213	12	0,855
24	1,242	24	1,231	24	0,856
36	1,232	36	1,205	36	0,855
48	1,241	48,6	1,222	48	0,855
60,6	1,26	60	1,224	60	0,854
72,6	1,234	72,6	1,193	72	0,855
84,6	1,264	84,6	1,205	86,4	0,854
96,6	1,233	96,6	1,209	98,4	0,854
108,6	1,256	108,6	1,223	110,4	0,854
120,6	1,244	120,6	1,205	122,4	0,854
132,6	1,259	132,6	1,204	134,4	0,853
144,6	1,277	145,2	1,223	147	0,854
157,2	1,233	157,2	1,184	159	0,853
169,2	1,222	169,2	1,213	171	0,854
181,2	1,236	181,2	1,218	183	0,853
193,2	1,24	193,2	1,186	195	0,853
205,2	1,23	205,2	1,237	207	0,853
217,2	1,243	217,2	1,208	219	0,854
229,2	1,253	229,2	1,221	231,6	0,853
241,8	1,243	241,2	1,217	245,4	0,853
253,8	1,225	253,8	1,214	257,4	0,853
265,8	1,251	265,8	1,232	269,4	0,852
277,8	1,278	277,8	1,209	281,4	0,853
289,8	1,257	289,8	1,235	295,8	0,852
300	1,256	300	1,21	300	0,852

AIV. 1. 2. Tixotropía HMHEC

HMHEC 1%; $T = 20^{\circ}\text{C}$ (CV 20); $\dot{\gamma}_1 = 25\text{ s}^{-1}$

$\dot{\gamma}_0 = 0\text{ s}^{-1}$		$\dot{\gamma}_0 = 1\text{ s}^{-1}$		$\dot{\gamma}_0 = 3\text{ s}^{-1}$		$\dot{\gamma}_0 = 6\text{ s}^{-1}$		$\dot{\gamma}_0 = 8\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
5	1,842	5	1,583	5	1,531	5	1,518	5	1,510
25	1,551	25	1,387	25	1,353	25	1,346	25	1,359
46	1,489	46	1,363	46	1,338	46	1,338	45	1,348
65	1,455	65	1,353	65	1,335	65	1,338	65	1,346
86	1,434	86	1,348	86	1,337	86	1,339	86	1,343
106	1,422	106	1,347	106	1,336	106	1,341	106	1,344
126	1,410	126	1,345	126	1,339	126	1,340	126	1,344
146	1,402	146	1,348	146	1,338	146	1,338	146	1,343
166	1,393	166	1,347	166	1,338	166	1,339	166	1,344
187	1,391	187	1,348	187	1,339	187	1,337	187	1,343
206	1,384	206	1,348	206	1,338	206	1,336	206	1,344
227	1,381	227	1,348	227	1,338	227	1,337	227	1,345
247	1,375	247	1,345	247	1,337	247	1,337	247	1,345
267	1,371	267	1,344	267	1,338	267	1,340	267	1,343
287	1,370	287	1,345	287	1,336	287	1,340	287	1,342
307	1,368	307	1,343	307	1,339	307	1,340	308	1,341
328	1,366	328	1,344	328	1,337	328	1,342	328	1,342
348	1,363	348	1,343	348	1,338	348	1,343	348	1,343
368	1,365	368	1,344	368	1,339	368	1,338	368	1,344
388	1,364	388	1,345	388	1,338	388	1,338	388	1,343
409	1,363	408	1,344	409	1,342	409	1,338	409	1,344
428	1,360	428	1,344	428	1,337	428	1,338	428	1,342
449	1,360	449	1,344	449	1,339	449	1,337	449	1,343
469	1,356	469	1,343	469	1,337	469	1,339	469	1,343
489	1,354	489	1,343	489	1,338	489	1,340	489	1,343
509	1,353	509	1,343	509	1,339	509	1,338	509	1,341
529	1,354	529	1,343	529	1,339	529	1,342	529	1,340
550	1,354	550	1,340	550	1,339	550	1,344	550	1,341
569	1,354	569	1,342	569	1,339	569	1,339	570	1,344
590	1,355	590	1,343	590	1,337	590	1,341	590	1,343
600	1,351	600	1,343	600	1,339	600	1,340	600	1,343

HMHEC 1%; T = 20°C (CV 20); $\dot{\gamma}_1 = 25 s^{-1}$ (continuación)

$\dot{\gamma}_0 = 70 s^{-1}$		$\dot{\gamma}_0 = 150 s^{-1}$		$\dot{\gamma}_0 = 200 s^{-1}$		$\dot{\gamma}_0 = 400 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
5	1,185	5	0,947	5	0,895	5	0,773	5	0,711
25	1,266	25	1,064	25	1,026	25	0,940	25	0,896
45	1,287	46	1,113	45	1,074	46	1,008	46	0,969
65	1,299	65	1,140	65	1,111	65	1,048	65	1,016
86	1,302	86	1,166	86	1,133	86	1,079	86	1,047
106	1,307	106	1,183	106	1,153	106	1,106	106	1,073
126	1,315	126	1,198	126	1,168	126	1,127	126	1,096
146	1,314	146	1,213	146	1,181	146	1,144	146	1,114
166	1,319	166	1,223	166	1,191	166	1,155	166	1,134
187	1,320	187	1,230	187	1,204	187	1,170	187	1,143
206	1,320	206	1,238	206	1,214	206	1,181	206	1,159
227	1,321	227	1,246	227	1,223	227	1,192	227	1,165
247	1,323	247	1,250	247	1,230	247	1,198	247	1,179
267	1,325	267	1,256	267	1,235	267	1,208	267	1,182
287	1,323	287	1,263	287	1,238	287	1,210	287	1,190
308	1,325	307	1,265	308	1,245	308	1,218	307	1,194
328	1,326	328	1,269	328	1,250	328	1,224	328	1,198
348	1,326	348	1,273	348	1,251	348	1,230	348	1,203
368	1,325	368	1,275	368	1,254	368	1,232	368	1,207
388	1,327	388	1,283	388	1,258	388	1,232	388	1,213
409	1,327	408	1,281	409	1,260	409	1,241	409	1,219
428	1,328	428	1,284	428	1,260	428	1,241	428	1,223
449	1,330	449	1,285	449	1,265	449	1,245	449	1,228
469	1,328	469	1,290	469	1,271	469	1,245	469	1,229
489	1,325	489	1,292	489	1,273	489	1,251	489	1,233
509	1,326	509	1,292	509	1,277	509	1,254	509	1,234
529	1,325	529	1,291	529	1,278	529	1,255	529	1,236
550	1,328	550	1,294	550	1,278	550	1,260	550	1,240
570	1,328	569	1,292	570	1,278	570	1,262	569	1,241
590	1,332	590	1,299	590	1,282	590	1,264	590	1,241
600	1,330	600	1,299	600	1,285	600	1,266	600	1,246

HMHEC 1%; $T = 20^{\circ}\text{C}$ (CV 20)

$\dot{\gamma}_1 = 3 s^{-1}$				$\dot{\gamma}_1 = 6 s^{-1}$				$\dot{\gamma}_1 = 8 s^{-1}$			
$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
3	10,190	5	2,048	6	4,524	6	1,636	3	3,958	5	1,246
15	7,483	25	3,179	24	4,325	24	2,219	15	3,686	25	1,715
27	7,077	46	3,583	43	4,283	43	2,468	27	3,628	46	1,918
39	6,782	65	3,954	61	4,262	61	2,664	40	3,566	65	2,055
52	6,622	86	4,217	79	4,213	79	2,792	52	3,520	86	2,161
64	6,464	106	4,346	97	4,129	97	2,882	64	3,490	106	2,244
76	6,413	126	4,515	115	4,144	115	2,944	76	3,465	126	2,297
88	6,261	146	4,587	133	4,128	133	3,015	88	3,452	146	2,360
100	6,287	166	4,766	151	4,112	151	3,108	100	3,432	166	2,398
112	6,341	187	4,775	170	4,085	170	3,139	112	3,423	187	2,455
124	6,275	206	4,847	188	4,096	188	3,148	124	3,421	206	2,492
136	6,246	227	4,859	206	4,085	206	3,185	136	3,409	227	2,535
148	6,212	247	4,862	224	4,083	224	3,211	148	3,406	247	2,555
161	6,226	267	4,922	242	4,087	242	3,217	161	3,397	267	2,588
173	6,272	287	4,987	260	4,071	260	3,233	173	3,400	287	2,605
185	6,166	308	4,960	279	4,048	278	3,281	185	3,386	307	2,625
197	6,165	328	5,039	297	4,062	297	3,272	197	3,385	328	2,633
209	6,148	348	5,047	315	4,070	315	3,301	209	3,397	348	2,667
221	6,116	368	5,090	333	4,042	333	3,296	221	3,380	368	2,672
233	6,070	388	5,038	352	4,025	352	3,326	233	3,379	388	2,690
245	6,134	409	5,209	370	4,058	370	3,321	245	3,371	409	2,704
257	6,119	428	5,105	388	4,028	388	3,318	257	3,359	428	2,719
269	6,066	449	5,197	406	4,039	406	3,365	269	3,368	449	2,726
282	6,033	469	5,146	424	4,040	424	3,381	282	3,363	469	2,724
294	6,093	489	5,183	442	4,050	442	3,359	300	3,359	489	2,737
300	6,119	509	5,171	461	4,034	460	3,367			509	2,761
		529	5,161	479	4,032	479	3,407			529	2,756
		550	5,255	497	4,040	497	3,410			550	2,764
		570	5,099	515	4,025	515	3,398			569	2,775
		590	5,175	533	4,019	533	3,421			590	2,788
		600	5,218	551	4,017	551	3,396			600	2,805
				569	4,017	569	3,432				
				588	4,016	588	3,413				
				600	4,047	600	3,420				

HMHEC 1%; T = 20°C (CV 20) (continuación)

$\dot{\gamma}_1 = 15 s^{-1}$		$\dot{\gamma}_1 = 50 s^{-1}$				$\dot{\gamma}_1 = 70 s^{-1}$					
$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
6	2,308	8	0,937	6	0,790	8	0,395	3	0,61	55	0,374
24	2,143	31	1,182	24	0,678	31	0,457	21	0,488	109	0,392
42	2,051	53	1,293	43	0,649	53	0,482	39,6	0,464	164	0,399
61	2,008	76	1,365	61	0,634	76	0,498	57,6	0,452	218	0,405
79	1,990	98	1,418	79	0,623	98	0,508	75,6	0,445	272	0,407
97	1,967	121	1,459	97	0,617	121	0,516	94,2	0,441	327	0,411
115	1,958	144	1,495	115	0,613	144	0,522	112,2	0,437	382	0,413
133	1,951	167	1,522	133	0,612	167	0,527	130,2	0,436	436	0,415
151	1,943	190	1,540	151	0,608	190	0,532	148,2	0,434	491	0,415
170	1,944	212	1,566	170	0,607	212	0,535	166,8	0,432	545	0,418
188	1,935	235	1,578	188	0,604	235	0,539	184,8	0,43	600	0,418
206	1,928	258	1,588	206	0,603	258	0,541	202,8	0,429		
224	1,925	281	1,602	224	0,601	281	0,543	221,4	0,428		
242	1,923	304	1,614	242	0,601	304	0,544	239,4	0,428		
260	1,925	326	1,623	260	0,601	326	0,549	257,4	0,427		
278	1,920	349	1,634	278	0,601	349	0,549	276	0,427		
297	1,920	372	1,638	297	0,601	372	0,551	294	0,425		
315	1,918	395	1,647	315	0,600	395	0,551	300	0,427		
333	1,910	418	1,657	333	0,598	418	0,554				
352	1,921	440	1,661	352	0,599	440	0,554				
370	1,912	463	1,664	370	0,599	463	0,557				
388	1,912	486	1,675	388	0,599	486	0,557				
406	1,911	509	1,677	406	0,599	509	0,558				
424	1,911	532	1,682	424	0,598	532	0,559				
442	1,912	554	1,683	442	0,598	554	0,559				
461	1,907	577	1,690	461	0,596	577	0,562				
479	1,907	600	1,698	479	0,596	600	0,562				
497	1,909			497	0,596						
515	1,903			515	0,596						
533	1,907			533	0,599						
551	1,908			551	0,596						
569	1,900			569	0,596						
588	1,909			588	0,595						
600	1,906			600	0,596						

HMHEC 1%; T = 20°C (CV 20) (continuación)

$\dot{\gamma}_1 = 150 s^{-1}$				$\dot{\gamma}_1 = 200 s^{-1}$				$\dot{\gamma}_1 = 300 s^{-1}$			
$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$		$\dot{\gamma}_0 = 0 s^{-1}$		$\dot{\gamma}_0 = 600 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
7	0,284	8	0,184	3	0,237	5	0,153	7	0,150	8	0,117
30	0,244	23	0,194	21	0,185	25	0,161	30	0,133	23	0,119
53	0,235	38	0,197	40	0,178	45	0,164	53	0,130	38	0,120
76	0,230	53	0,200	58	0,175	65	0,166	76	0,129	53	0,121
98	0,228	68	0,202	76	0,173	86	0,166	98	0,128	68	0,121
121	0,226	83	0,203	94	0,172	106	0,167	121	0,127	83	0,121
143	0,225	98	0,204	112	0,171	126	0,168	143	0,127	99	0,122
166	0,225	114	0,206	130	0,170	146	0,168	166	0,127	114	0,122
189	0,224	129	0,206	148	0,170	166	0,168	189	0,127	129	0,122
212	0,223	144	0,206	167	0,170	187	0,168	212	0,126	145	0,122
235	0,223	160	0,208	185	0,169	206	0,169	235	0,126	160	0,122
257	0,222	175	0,207	203	0,169	227	0,169	257	0,126	175	0,122
280	0,221	190	0,207	221	0,168	247	0,169	280	0,126	190	0,122
302	0,221	205	0,208	239	0,168	267	0,170	302	0,126	205	0,122
325	0,221	220	0,208	257	0,168	287	0,170	325	0,125	220	0,122
348	0,220	235	0,209	276	0,168	307	0,170	348	0,125	235	0,122
371	0,220	251	0,209	294	0,168	328	0,170	371	0,125	251	0,122
393	0,220	266	0,209	300	0,168	348	0,170	393	0,125	266	0,122
416	0,219	281	0,209			368	0,169	416	0,125	281	0,122
439	0,219	296	0,209			388	0,170	439	0,125	296	0,122
461	0,219	311	0,210			408	0,170	461	0,125	311	0,122
484	0,219	326	0,210			428	0,170	484	0,125	326	0,122
506	0,219	341	0,210			449	0,170	506	0,125	342	0,122
529	0,219	357	0,210			469	0,170	529	0,124	357	0,122
552	0,218	372	0,210			489	0,170	552	0,125	372	0,122
575	0,218	388	0,210			509	0,170	575	0,124	387	0,122
598	0,218	403	0,210			529	0,170	598	0,124	403	0,122
620	0,218	418	0,210			550	0,170	620	0,124	418	0,122
643	0,218	433	0,211			569	0,170	643	0,124	433	0,122
665	0,218	448	0,211			590	0,170	665	0,124	448	0,122
688	0,218	463	0,211			600	0,170	688	0,124	463	0,122
711	0,218	478	0,211					711	0,124	478	0,122
734	0,217	494	0,211					734	0,124	494	0,122
756	0,217	509	0,211					756	0,124	509	0,122
779	0,218	524	0,211					779	0,124	524	0,122
802	0,218	539	0,211					802	0,124	539	0,122
824	0,217	554	0,211					824	0,124	554	0,122
847	0,217	569	0,211					847	0,124	569	0,122
869	0,218	585	0,211					869	0,124	584	0,122
892	0,218	600	0,211					892	0,124	600	0,122
900	0,217							900	0,124		

AIV. 2. Resultados reómetro RS 150. HMHEC

HMHEC 1%; T = 20°C (RS 150) $\dot{\gamma}_0 = 2000 s^{-1}$

$\dot{\gamma}_1 = 0,06 s^{-1}$		$\dot{\gamma}_0 = 0,1 s^{-1}$		$\dot{\gamma}_0 = 0,2 s^{-1}$		$\dot{\gamma}_0 = 0,5 s^{-1}$		$\dot{\gamma}_0 = 1 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	2,651	4	2,319	4	1,721	4	1,489	4	1,358
28	4,390	28	3,822	28	3,380	28	3,078	28	2,827
52	5,430	52	4,735	52	4,351	52	3,944	52	3,535
76	6,487	76	5,563	76	5,132	76	4,634	76	4,097
101	6,911	101	6,182	101	5,827	101	5,242	101	4,578
125	7,588	125	6,732	125	6,401	125	5,742	125	4,967
149	8,541	149	7,286	149	6,840	149	6,186	149	5,277
173	8,607	173	7,819	173	7,282	173	6,516	173	5,558
197	9,038	197	8,128	197	7,639	197	6,800	197	5,774
221	9,676	221	8,446	221	7,954	221	7,080	221	5,984
245	9,847	245	8,954	245	8,183	245	7,315	245	6,141
269	10,550	270	9,013	269	8,388	269	7,514	269	6,272
293	10,540	293	9,207	293	8,592	293	7,669	293	6,385
318	10,990	317	9,483	318	8,764	317	7,804	318	6,497
342	10,960	342	9,823	342	8,954	342	7,919	342	6,602
366	11,060	366	9,865	366	9,026	366	8,022	366	6,709
390	11,610	390	10,070	390	9,199	390	8,100	390	6,797
414	11,510	414	10,290	414	9,249	414	8,230	414	6,833
438	11,820	438	10,320	438	9,396	438	8,295	438	6,912
463	11,990	462	10,540	462	9,450	462	8,382	462	6,971
486	11,840	486	10,750	486	9,545	486	8,406	486	7,027
510	12,350	510	11,030	510	9,596	511	8,466	511	7,081
535	12,110	534	11,050	534	9,600	535	8,514	534	7,125
559	12,300	559	10,740	559	9,814	559	8,555	559	7,183
583	12,150	583	11,180	583	9,870	583	8,601	583	7,215
607	12,720	607	11,270	607	9,904	607	8,670	607	7,257
631	12,490	631	11,110	631	9,980	631	8,704	631	7,285
651	13,140	651	11,200	651	10,060	651	8,741	651	7,333
675	12,340	675	11,280	675	10,090	675	8,773	675	7,326
699	13,020	699	11,350	699	10,220	699	8,846	699	7,386
723	12,600	723	11,530	723	10,190	723	8,868	723	7,393
748	12,850	747	11,640	748	10,170	747	8,888	747	7,441
772	13,110	772	11,410	772	10,250	772	8,941	772	7,427
796	13,220	796	11,500	796	10,340	796	8,963	796	7,472
820	13,700	820	11,720	820	10,300	820	8,988	820	7,471
844	12,710	844	11,880	844	10,420	844	9,009	844	7,526
868	13,330	868	11,850	868	10,480	868	9,067	868	7,567
892	13,470	892	11,780	892	10,500	892	9,089	892	7,560
900	13,470	900	11,850	900	10,520	900	9,101	900	7,579

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_0 = 2000\text{ s}^{-1}$ (continuación)

$\dot{\gamma}_1 = 2\text{ s}^{-1}$		$\dot{\gamma}_0 = 5\text{ s}^{-1}$		$\dot{\gamma}_0 = 10\text{ s}^{-1}$		$\dot{\gamma}_0 = 20\text{ s}^{-1}$		$\dot{\gamma}_0 = 50\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
8	1,716	4	1,275	0	0,811	4	0,480	4	0,267
32	2,723	28	1,814	24	1,231	28	0,702	28	0,353
56	3,322	52	2,111	48	1,406	52	0,792	52	0,385
80	3,797	77	2,324	72	1,521	76	0,852	76	0,405
105	4,166	101	2,480	97	1,607	101	0,898	101	0,420
129	4,470	125	2,601	121	1,675	125	0,935	125	0,431
153	4,697	149	2,700	145	1,731	149	0,966	149	0,440
177	4,880	173	2,779	169	1,779	173	0,992	173	0,448
201	5,018	197	2,844	193	1,822	197	1,015	197	0,454
225	5,123	221	2,898	217	1,857	221	1,033	221	0,459
249	5,209	245	2,942	241	1,889	245	1,051	245	0,463
273	5,275	269	2,979	265	1,920	269	1,065	269	0,467
297	5,326	294	3,008	289	1,948	293	1,078	293	0,470
322	5,381	318	3,033	314	1,972	317	1,089	317	0,473
346	5,424	342	3,056	338	1,997	342	1,100	342	0,475
370	5,441	366	3,074	362	2,017	366	1,108	366	0,477
394	5,469	390	3,088	386	2,037	390	1,116	390	0,479
418	5,491	414	3,103	410	2,055	414	1,123	414	0,481
442	5,508	438	3,115	434	2,074	438	1,130	438	0,482
466	5,530	462	3,124	458	2,091	462	1,135	462	0,484
490	5,550	486	3,132	482	2,105	487	1,141	486	0,485
514	5,557	510	3,141	506	2,120	510	1,145	510	0,486
538	5,579	535	3,146	530	2,133	534	1,150	534	0,487
563	5,573	559	3,151	555	2,145	559	1,154	559	0,487
587	5,584	583	3,158	579	2,158	583	1,158	583	0,489
611	5,595	607	3,162	603	2,167	607	1,162	607	0,489
635	5,600	631	3,169	627	2,176	631	1,165	631	0,490
655	5,597	651	3,173	647	2,186	651	1,168	651	0,491
679	5,599	675	3,178	671	2,193	675	1,171	675	0,491
703	5,615	699	3,182	695	2,202	699	1,174	699	0,492
727	5,613	723	3,190	719	2,210	723	1,177	723	0,492
752	5,616	747	3,197	743	2,215	747	1,179	747	0,493
776	5,629	772	3,204	768	2,222	772	1,182	772	0,493
800	5,626	796	3,208	792	2,228	796	1,183	796	0,494
824	5,620	820	3,208	816	2,232	820	1,186	820	0,494
848	5,629	844	3,213	840	2,239	844	1,188	844	0,495
872	5,643	868	3,215	864	2,243	868	1,190	868	0,495
896	5,638	892	3,219	888	2,248	892	1,192	892	0,496
		900	3,221	896	2,250	900	1,192	900	0,496
				900	2,252				

HMHEC 1%; T = 20°C (RS 150) $\dot{\gamma}_0 = 2000 s^{-1}$ (continuación)

$\dot{\gamma}_1 = 100 s^{-1}$		$\dot{\gamma}_1 = 200 s^{-1}$		$\dot{\gamma}_1 = 500 s^{-1}$		$\dot{\gamma}_1 = 1000 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	0,200	4	0,118	4	0,067	4	0,045
28	0,228	28	0,135	28	0,071	28	0,046
52	0,239	53	0,140	52	0,072	52	0,046
76	0,246	76	0,142	76	0,073	76	0,046
101	0,250	101	0,144	101	0,073	101	0,046
125	0,254	125	0,145	125	0,073	125	0,046
149	0,257	149	0,146	149	0,073	149	0,046
173	0,259	173	0,146	173	0,073	173	0,046
197	0,261	197	0,147	197	0,073	197	0,046
221	0,262	221	0,147	221	0,074	221	0,046
245	0,263	245	0,147	245	0,074	245	0,046
269	0,264	269	0,148	269	0,074	269	0,046
293	0,265	293	0,148	293	0,074	294	0,046
318	0,266	318	0,148	318	0,074	318	0,046
342	0,267	342	0,148	342	0,074	342	0,046
366	0,268	366	0,148	366	0,074	366	0,046
390	0,268	390	0,148	390	0,074	390	0,046
414	0,269	414	0,148	414	0,074	414	0,046
438	0,269	438	0,148	438	0,074	438	0,046
462	0,269	462	0,148	462	0,074	462	0,046
486	0,270	486	0,149	486	0,074	486	0,046
511	0,270	511	0,149	510	0,074		
535	0,270	535	0,149	535	0,074		
559	0,271	559	0,149	559	0,074		
583	0,271			583	0,074		
607	0,271			607	0,074		
631	0,271			631	0,074		
651	0,271			651	0,074		
675	0,271			675	0,074		
				699	0,074		
				723	0,074		
				747	0,074		
				772	0,074		
				796	0,074		
				820	0,074		
				844	0,074		
				868	0,074		
				892	0,074		
				900	0,074		

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_0 = 0,1\text{s}^{-1}$

$\dot{\gamma}_1 = 1\text{s}^{-1}$		$\dot{\gamma}_1 = 2\text{s}^{-1}$		$\dot{\gamma}_1 = 5\text{s}^{-1}$		$\dot{\gamma}_1 = 10\text{s}^{-1}$		$\dot{\gamma}_1 = 20\text{s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	10,220	4	8,511	8	4,163	3	3,038	6	1,811
24	9,914	24	7,614	28	3,822	18	2,967	21	1,627
44	9,789	44	7,456	49	3,670	33	2,892	36	1,560
65	9,901	64	6,814	68	3,603	49	2,845	51	1,526
85	9,889	85	6,519	88	3,581	63	2,819	66	1,505
105	9,856	105	6,365	109	3,573	79	2,795	82	1,492
125	9,843	125	6,263	129	3,560	94	2,779	97	1,483
145	9,800	145	6,197	149	3,544	109	2,769	112	1,475
165	9,770	165	6,161	169	3,534	124	2,761	127	1,470
185	9,695	185	6,141	189	3,526	139	2,759	142	1,464
205	9,706	205	6,112	209	3,511	154	2,750	157	1,461
225	9,670	225	6,101	229	3,501	169	2,748	172	1,456
246	9,665	245	6,096	249	3,495	184	2,747	187	1,455
265	9,600	265	6,084	269	3,492	199	2,741	202	1,451
285	9,585	285	6,076	290	3,482	214	2,738	217	1,448
306	9,526	305	6,071	310	3,480	229	2,734	233	1,449
326	9,525	326	6,053	330	3,479	244	2,728	247	1,447
346	9,493	346	6,062	350	3,475	260	2,731	263	1,444
366	9,465	366	6,037	370	3,470	275	2,725	278	1,443
386	9,437	386	6,034	390	3,469	290	2,722	293	1,442
406	9,409	406	6,028	410	3,470	305	2,721	308	1,441
426	9,366	426	6,024	430	3,464	320	2,726	323	1,440
446	9,367	446	6,007	450	3,461	335	2,720	338	1,439
466	9,325	466	5,991	470	3,459	350	2,712	353	1,438
486	9,312	486	5,985	490	3,457	365	2,711	368	1,438
507	9,317	506	5,982	511	3,452	380	2,709	383	1,436
527	9,276	526	5,966	531	3,449	395	2,709	398	1,435
547	9,258	547	5,959	551	3,452	410	2,704	413	1,435
567	9,233	567	5,947	571	3,446	425	2,703	428	1,435
587	9,204	587	5,932	591	3,443	440	2,705	444	1,434
607	9,205	607	5,927	611	3,442	455	2,700	459	1,433
627	9,155	627	5,907	631	3,438	471	2,700	474	1,433
647	9,147	647	5,905	651	3,435	486	2,696	488	1,431
667	9,110	667	5,905	671	3,435	501	2,698	504	1,432
687	9,086	687	5,905	691	3,433	516	2,694	519	1,432
707	9,064	708	5,900	711	3,428	531	2,692	534	1,432
727	9,069	728	5,896	731	3,425	546	2,693	549	1,430
747	9,049	748	5,898	751	3,427	561	2,695	564	1,430
768	8,997	768	5,894	772	3,423	576	2,694	591	1,430
788	8,974	788	5,897	792	3,421	591	2,692	600	1,429
808	8,988	808	5,889	812	3,417	600	2,690		
828	8,952	828	5,892	832	3,418				
848	8,933	848	5,881	852	3,414				
868	8,926	868	5,890	872	3,411				
888	8,933	888	5,878	900	3,411				
900	8,919	896	5,877						

HMHEC 1%; T = 20°C (RS 150) $\dot{\gamma}_0 = 0,1 s^{-1}$ (continuación)

$\dot{\gamma}_1 = 50 s^{-1}$		$\dot{\gamma}_1 = 100 s^{-1}$		$\dot{\gamma}_1 = 200 s^{-1}$		$\dot{\gamma}_1 = 500 s^{-1}$		$\dot{\gamma}_1 = 1000 s^{-1}$		$\dot{\gamma}_1 = 2000 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
3	0,818	3	0,419	3	0,189	3	0,087	3	0,054	2	0,033
18	0,659	18	0,337	16	0,168	18	0,081	19	0,049	10	0,032
33	0,625	33	0,321	30	0,162	33	0,080	35	0,048	18	0,031
48	0,609	48	0,313	43	0,159	48	0,079	51	0,048	26	0,031
63	0,600	64	0,309	57	0,158	63	0,079	67	0,048	34	0,031
78	0,594	78	0,306	70	0,156	78	0,078	83	0,048	43	0,031
94	0,590	94	0,303	83	0,155	94	0,078	99	0,047	51	0,031
109	0,586	109	0,302	97	0,155	109	0,078	115	0,047	59	0,030
124	0,584	125	0,302	110	0,154	124	0,078	131	0,047	66	0,030
139	0,581	141	0,301	123	0,154	139	0,077	148	0,047	74	0,030
154	0,580	157	0,301	137	0,153	154	0,077	164	0,047	83	0,030
169	0,579	173	0,301	150	0,153	169	0,077	180	0,047	90	0,030
184	0,578	189	0,301	164	0,153	184	0,077	196	0,047	99	0,030
199	0,577	205	0,301	177	0,152	199	0,077	212	0,047	107	0,030
214	0,576	221	0,301	190	0,152	214	0,077	228	0,047	115	0,030
229	0,576	237	0,301	204	0,152	229	0,077	244	0,047	123	0,030
244	0,575	253	0,301	217	0,151	244	0,076	260	0,047	131	0,030
259	0,575	269	0,301	230	0,151	259	0,076	276	0,047	139	0,030
274	0,575	285	0,301	244	0,151	275	0,076	292	0,047	147	0,030
290	0,574	301	0,300	257	0,151	290	0,076	308	0,047	155	0,030
305	0,574	317	0,300	271	0,151	305	0,076	324	0,047	163	0,030
320	0,573	333	0,300	284	0,150	320	0,076	340	0,047	171	0,030
335	0,573	349	0,300	298	0,150	335	0,076	356	0,047	179	0,030
350	0,573	365	0,300	311	0,150	350	0,076	372	0,046	187	0,030
365	0,573	381	0,300	324	0,150	365	0,076	388	0,046	195	0,030
380	0,572	397	0,300	338	0,150	380	0,076	405	0,046	203	0,030
395	0,572	413	0,300	351	0,150	395	0,076	421	0,046	211	0,030
410	0,572	429	0,300	365	0,150	410	0,076	437	0,046	219	0,030
425	0,572	445	0,300	378	0,149	425	0,076	453	0,046	227	0,030
440	0,572	461	0,300	391	0,149	440	0,076	469	0,046	235	0,030
455	0,572	477	0,300	405	0,149	456	0,076	485	0,046	243	0,030
470	0,572	493	0,300	418	0,149	471	0,076	501	0,046	252	0,030
486	0,572	509	0,300	431	0,149	486	0,076	517	0,046	259	0,030
501	0,571	525	0,300	445	0,149	501	0,075	533	0,046	267	0,030
516	0,571	541	0,300	458	0,149	516	0,075	549	0,046	276	0,030
531	0,571	557	0,300	472	0,149	531	0,075	566	0,046	282	0,030
546	0,571	573	0,300	485	0,149	546	0,075	582	0,046		
561	0,571	589	0,300	498	0,149	561	0,075	600	0,046		
576	0,571	602	0,300	512	0,149	576	0,075				
591	0,571			525	0,148	591	0,075				
600	0,571			538	0,148	600	0,075				
				552	0,148						
				565	0,148						
				579	0,148						
				592	0,148						
				600	0,148						

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 0,1\text{s}^{-1}$

$\dot{\gamma}_0 = 50\text{s}^{-1}$		$\dot{\gamma}_0 = 100\text{s}^{-1}$		$\dot{\gamma}_0 = 200\text{s}^{-1}$		$\dot{\gamma}_0 = 500\text{s}^{-1}$		$\dot{\gamma}_0 = 1000\text{s}^{-1}$		$\dot{\gamma}_0 = 2000\text{s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	6,67	4	4,84	4	3,56	4	2,72	4	2,19	4	1,75
24	11,90	24	7,62	24	5,80	24	4,60	24	3,68	24	2,97
44	12,50	44	8,24	44	6,81	44	5,45	44	4,57	44	3,68
64	12,80	64	8,98	64	7,46	64	6,21	64	5,23	64	4,31
84	13,10	84	9,55	84	8,10	84	6,86	84	5,85	84	4,69
105	13,20	105	10,10	104	8,40	105	7,45	105	6,20	105	5,09
125	13,40	125	10,10	125	9,05	125	7,76	125	6,68	125	5,68
145	13,80	145	10,80	145	9,19	145	8,26	145	7,18	145	5,89
165	13,50	165	10,80	165	9,53	165	8,70	165	7,43	165	6,39
185	13,80	185	11,30	185	10,10	185	8,94	185	7,89	185	6,61
205	14,10	205	11,30	205	10,10	205	9,39	205	8,03	205	6,94
225	13,90	225	11,80	225	10,70	225	9,51	225	8,55	225	7,10
245	14,50	245	11,80	245	10,70	245	10,00	245	8,60	245	7,45
265	14,60	265	12,00	265	11,10	265	10,10	265	9,05	265	7,53
285	14,20	285	12,30	285	11,10	285	10,40	285	9,04	285	7,84
305	14,50	305	12,30	305	11,50	305	10,50	305	9,47	305	7,87
326	14,70	326	12,60	325	11,50	326	10,80	326	9,54	326	8,19
346	14,60	346	12,80	345	11,90	346	11,10	346	9,65	346	8,37
366	14,60	366	12,60	365	12,00	366	10,90	366	9,96	366	8,39
386	14,80	386	13,10	385	12,00	386	11,30	386	9,93	386	8,57
406	14,80	406	13,10	405	12,40	406	11,40	406	10,10	406	8,83
426	14,80	426	13,00	426	12,50	426	11,50	426	10,50	426	8,68
446	15,00	446	13,40	446	12,40	446	11,80	446	10,30	446	8,96
466	15,30	466	13,30	466	12,80	466	11,90	466	10,40	466	9,17
486	15,20	486	13,20	486	12,60	486	11,80	486	10,80	486	9,05
506	15,00	506	13,50	506	12,90	506	12,10	506	10,70	506	9,09
527	15,10	526	13,80	526	13,20	526	12,10	526	10,70	526	9,43
547	15,30	547	13,50	546	12,90	547	12,10	547	11,00	547	9,41
567	15,40	567	13,70	566	13,20	567	12,30	567	11,00	567	9,31
587	15,20	587	14,00	586	13,30	587	12,50	587	11,00	587	9,61
607	15,40	607	14,00	606	13,20	607	12,40	607	11,20	607	9,67
627	15,50	627	13,90	626	13,30	627	12,30	627	11,30	627	9,57
647	15,30	647	14,10	646	13,60	647	12,60	647	11,30	647	9,61
667	15,20	667	14,10	666	13,40	667	12,70	667	11,20	667	9,88
687	15,30	687	14,10	686	13,50	703	12,70	687	11,50	687	9,84
707	15,60	707	14,10	706	13,90	723	12,50	707	11,40	707	9,75
727	15,40	727	14,40	726	13,60	743	12,70	727	11,40	727	9,99
747	15,40	747	14,50	747	13,60	763	13,00	747	11,60	747	10,10
768	15,40	767	14,20	767	13,80	784	12,80	767	11,80	768	10,10
788	15,80	788	14,20	787	13,90	804	12,70	788	11,60	788	10,00
808	15,60	808	14,50	807	13,70	824	13,10	808	11,60	808	10,20
828	15,50	828	14,50	827	13,90	844	13,10	828	11,80	828	10,20
848	15,70	848	14,40	847	14,10	864	13,00	852	11,70	848	10,10
868	15,70	868	14,30	867	14,10	884	13,00	872	11,90	868	10,10
888	15,90	888	14,60	887	13,90	900	13,00	892	12,00	888	10,40
900	15,40	900	14,50	903	13,90			900	12,00	900	10,30

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 0,5\text{ s}^{-1}$

$\dot{\gamma}_0 = 50\text{ s}^{-1}$		$\dot{\gamma}_0 = 100\text{ s}^{-1}$		$\dot{\gamma}_0 = 200\text{ s}^{-1}$		$\dot{\gamma}_0 = 500\text{ s}^{-1}$		$\dot{\gamma}_0 = 1000\text{ s}^{-1}$		$\dot{\gamma}_0 = 2000\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	6,51	4	4,24	4	3,14	4	2,33	4	1,87	4	1,36
24	8,58	24	6,39	24	5,05	24	4,07	24	3,41	24	2,64
44	9,15	44	7,06	44	5,78	44	4,82	44	4,10	44	3,26
64	9,56	64	7,54	64	6,35	64	5,38	64	4,62	64	3,76
84	9,90	84	7,91	84	6,83	84	5,87	84	5,09	84	4,17
104	10,10	105	8,24	104	7,23	104	6,28	105	5,48	104	4,54
125	10,30	124	8,52	125	7,58	125	6,66	125	5,85	125	4,88
145	10,40	145	8,70	145	7,90	145	7,01	145	6,20	145	5,20
165	10,50	165	8,90	165	8,22	165	7,33	165	6,52	165	5,50
185	10,70	185	9,09	185	8,46	185	7,62	185	6,83	185	5,78
205	10,80	205	9,27	205	8,69	205	7,91	205	7,11	205	6,03
225	10,90	225	9,41	225	8,92	225	8,13	225	7,32	225	6,29
245	10,90	245	9,52	245	9,12	245	8,42	245	7,58	245	6,47
265	11,00	265	9,64	265	9,32	265	8,55	265	7,77	265	6,68
285	11,10	285	9,76	285	9,48	285	8,76	285	7,97	285	6,89
305	11,10	305	9,89	305	9,62	305	8,93	305	8,15	305	7,04
325	11,20	325	9,97	325	9,76	325	9,08	325	8,29	325	7,23
345	11,20	345	10,00	345	9,96	345	9,20	345	8,44	345	7,35
365	11,30	365	10,10	365	10,00	365	9,32	365	8,56	365	7,49
385	11,30	385	10,20	385	10,10	385	9,44	385	8,68	385	7,57
406	11,30	405	10,30	405	10,20	406	9,59	405	8,76	405	7,70
426	11,40	426	10,30	426	10,40	425	9,63	426	8,87	425	7,84
446	11,40	446	10,50	446	10,40	446	9,79	446	9,00	446	7,90
466	11,40	466	10,50	466	10,50	466	9,81	466	9,05	466	7,97
486	11,50	486	10,50	486	10,50	486	9,93	486	9,14	486	8,07
506	11,50	506	10,60	506	10,60	506	9,99	506	9,23	506	8,18
526	11,60	526	10,60	526	10,60	526	10,00	526	9,27	526	8,22
546	11,60	546	10,70	546	10,70	546	10,10	546	9,33	546	8,25
566	11,60	566	10,70	566	10,80	566	10,10	566	9,42	566	8,35
586	11,60	586	10,70	586	10,90	586	10,20	586	9,51	586	8,42
606	11,60	606	10,70	606	10,90	606	10,20	606	9,53	606	8,45
626	11,60	626	10,80	626	10,90	626	10,30	626	9,58	626	8,50
646	11,60	646	10,80	646	10,90	646	10,30	646	9,63	646	8,54
666	11,70	666	10,90	666	11,00	666	10,40	666	9,67	666	8,60
687	11,70	686	10,90	686	11,00	686	10,40	686	9,70	686	8,63
706	11,80	706	10,90	706	11,00	706	10,40	707	9,72	706	8,70
727	11,70	727	11,00	727	11,10	727	10,40	727	9,82	727	8,74
747	11,70	747	10,90	747	11,10	747	10,50	747	9,87	747	8,79
767	11,70	767	11,00	767	11,10	767	10,50	767	9,88	767	8,78
787	11,70	787	11,00	787	11,10	787	10,50	787	9,89	787	8,88
807	11,80	807	11,00	807	11,20	807	10,60	807	9,88	807	8,87
827	11,80	827	11,00	827	11,20	827	10,60	827	9,94	827	8,89
847	11,80	847	11,00	847	11,20	847	10,60	847	9,95	847	8,93
867	11,70	867	11,00	867	11,20	867	10,60	867	9,97	867	8,93
887	11,70	887	11,00	887	11,30	887	10,60	887	10,00	887	8,95
903	11,70	903	11,10	903	11,20	903	10,70	903	10,00	903	9,05

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 1\text{s}^{-1}$

$\dot{\gamma}_0 = 50\text{s}^{-1}$		$\dot{\gamma}_0 = 100\text{s}^{-1}$		$\dot{\gamma}_0 = 200\text{s}^{-1}$		$\dot{\gamma}_0 = 500\text{s}^{-1}$		$\dot{\gamma}_0 = 1000\text{s}^{-1}$		$\dot{\gamma}_0 = 2000\text{s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	5,17	4	3,88	4	2,75	4	2,07	4	1,69	4	1,30
24	6,41	24	5,81	24	4,27	24	3,55	24	3,08	24	2,52
44	6,94	44	6,41	44	4,86	44	4,15	44	3,67	44	3,07
64	7,31	64	6,82	64	5,30	64	4,61	64	4,10	64	3,50
85	7,57	84	7,09	84	5,65	84	4,99	84	4,48	84	3,88
105	7,75	105	7,29	105	5,95	105	5,33	105	4,82	105	4,20
125	7,91	125	7,50	125	6,20	125	5,63	125	5,14	125	4,49
145	8,04	145	7,67	145	6,44	145	5,88	145	5,40	145	4,78
165	8,14	165	7,78	165	6,63	165	6,10	165	5,65	165	5,02
185	8,21	185	7,89	185	6,79	185	6,30	185	5,87	185	5,25
205	8,30	205	7,97	205	6,98	205	6,50	205	6,07	205	5,46
225	8,32	225	8,06	225	7,09	225	6,68	225	6,24	225	5,63
245	8,36	245	8,14	245	7,22	245	6,83	245	6,41	245	5,81
265	8,37	265	8,21	265	7,35	265	6,96	265	6,56	265	5,97
285	8,41	285	8,28	285	7,45	285	7,08	285	6,68	285	6,11
306	8,46	305	8,33	305	7,54	306	7,18	305	6,81	305	6,24
326	8,50	326	8,38	326	7,64	326	7,29	326	6,92	325	6,35
346	8,53	346	8,43	346	7,70	346	7,36	346	7,00	346	6,44
366	8,56	366	8,47	366	7,77	366	7,44	366	7,10	366	6,54
386	8,57	386	8,50	386	7,84	386	7,51	386	7,18	386	6,62
406	8,59	406	8,55	406	7,92	406	7,57	406	7,21	406	6,69
426	8,62	426	8,54	426	7,95	426	7,61	426	7,26	426	6,76
446	8,61	446	8,61	446	7,99	446	7,69	446	7,31	446	6,84
466	8,63	466	8,58	466	8,04	466	7,72	466	7,39	466	6,88
486	8,65	486	8,61	486	8,08	486	7,75	486	7,43	486	6,91
506	8,68	506	8,65	506	8,10	506	7,80	506	7,48	507	6,98
526	8,67	526	8,64	526	8,10	527	7,84	526	7,52	526	7,04
547	8,69	547	8,68	547	8,14	547	7,85	547	7,57	547	7,05
567	8,70	567	8,69	567	8,19	567	7,89	567	7,59	567	7,13
587	8,71	587	8,72	587	8,19	587	7,92	587	7,65	587	7,13
607	8,71	607	8,72	607	8,23	607	7,94	607	7,68	607	7,20
627	8,77	627	8,76	627	8,24	627	7,99	627	7,67	627	7,25
647	8,76	647	8,75	647	8,25	647	8,02	647	7,73	647	7,27
667	8,79	667	8,76	667	8,28	667	8,04	667	7,74	667	7,30
687	8,79	687	8,79	687	8,29	687	8,03	687	7,76	687	7,32
707	8,79	707	8,76	707	8,32	707	8,06	707	7,79	707	7,35
727	8,80	727	8,78	727	8,34	727	8,11	727	7,79	727	7,37
747	8,80	747	8,77	747	8,33	747	8,10	747	7,82	747	7,38
768	8,81	768	8,78	768	8,34	768	8,12	768	7,84	767	7,42
788	8,82	788	8,79	788	8,33	788	8,13	788	7,86	788	7,44
808	8,82	808	8,79	808	8,37	808	8,14	808	7,87	808	7,44
828	8,82	828	8,81	828	8,35	828	8,17	828	7,90	828	7,48
848	8,83	848	8,82	848	8,35	848	8,16	848	7,90	848	7,50
868	8,87	868	8,81	868	8,36	868	8,19	868	7,91	868	7,50
888	8,89	888	8,82	888	8,38	888	8,19	888	7,93	888	7,52
900	8,87	900	8,82	900	8,36	900	8,19	900	7,92	900	7,52

HMHEC 1%; T = 20°C (RS 150) $\dot{\gamma}_1 = 2 s^{-1}$

$\dot{\gamma}_0 = 50 s^{-1}$		$\dot{\gamma}_0 = 100 s^{-1}$		$\dot{\gamma}_0 = 200 s^{-1}$		$\dot{\gamma}_0 = 500 s^{-1}$		$\dot{\gamma}_0 = 1000 s^{-1}$		$\dot{\gamma}_0 = 2000 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	3,51	4	3,34	4	2,72	4	2,08	4	1,69	4	1,32
24	4,56	24	4,48	24	3,97	24	3,29	24	2,85	24	2,40
44	4,97	44	4,82	44	4,44	44	3,79	44	3,35	44	2,89
64	5,17	64	5,02	64	4,77	64	4,17	64	3,73	64	3,27
84	5,33	84	5,14	84	5,00	84	4,46	84	4,04	85	3,60
105	5,40	105	5,24	105	5,17	105	4,70	105	4,30	105	3,86
125	5,47	125	5,32	125	5,31	125	4,89	125	4,52	125	4,08
145	5,55	145	5,39	145	5,42	145	5,04	145	4,71	145	4,29
165	5,58	165	5,43	165	5,53	165	5,17	165	4,87	165	4,46
185	5,60	185	5,48	185	5,61	185	5,28	185	5,00	185	4,62
205	5,64	205	5,51	205	5,67	205	5,37	205	5,11	205	4,77
225	5,68	225	5,55	225	5,73	225	5,44	225	5,20	225	4,88
245	5,68	245	5,57	245	5,78	245	5,51	245	5,27	245	4,98
265	5,72	265	5,60	265	5,83	265	5,55	265	5,34	265	5,08
285	5,74	285	5,62	285	5,87	285	5,60	285	5,39	285	5,17
306	5,77	305	5,64	305	5,90	305	5,65	305	5,44	305	5,25
326	5,78	326	5,67	326	5,95	326	5,68	326	5,49	326	5,30
346	5,79	346	5,68	346	5,98	346	5,72	346	5,52	346	5,33
366	5,80	366	5,69	366	6,00	366	5,75	366	5,56	366	5,38
386	5,80	386	5,71	386	6,03	386	5,78	386	5,59	386	5,42
406	5,82	406	5,71	406	6,04	406	5,80	406	5,62	406	5,44
426	5,82	426	5,73	426	6,06	426	5,84	426	5,64	426	5,48
446	5,84	446	5,73	446	6,07	446	5,86	446	5,66	446	5,52
466	5,85	466	5,74	466	6,10	466	5,87	466	5,69	466	5,55
486	5,85	486	5,75	486	6,10	486	5,89	486	5,70	486	5,58
506	5,86	506	5,76	506	6,12	506	5,90	506	5,73	506	5,60
526	5,87	526	5,77	527	6,14	526	5,91	526	5,73	526	5,61
547	5,87	547	5,78	547	6,15	547	5,93	547	5,76	547	5,62
567	5,88	567	5,78	567	6,16	567	5,95	567	5,77	567	5,62
587	5,88	587	5,78	587	6,17	587	5,95	587	5,78	587	5,64
607	5,88	607	5,79	607	6,16	607	5,96	607	5,79	607	5,65
627	5,89	627	5,79	627	6,18	627	5,98	627	5,79	627	5,67
647	5,89	647	5,79	647	6,18	647	5,99	647	5,81	647	5,70
667	5,90	667	5,81	667	6,20	667	6,00	667	5,82	667	5,70
687	5,90	687	5,81	687	6,18	687	6,00	687	5,83	687	5,73
707	5,90	707	5,80	707	6,20	707	6,00	707	5,83	707	5,72
727	5,89	727	5,81	727	6,20	727	6,02	727	5,85	727	5,73
747	5,90	747	5,81	747	6,21	747	6,01	747	5,86	747	5,73
768	5,92	768	5,81	768	6,20	768	6,03	768	5,87	768	5,72
788	5,92	788	5,81	788	6,21	788	6,04	788	5,87	788	5,73
808	5,93	808	5,82	808	6,21	808	6,03	808	5,87	808	5,74
828	5,92	828	5,82	828	6,21	828	6,05	828	5,87	828	5,75
848	5,93	848	5,82	848	6,21	848	6,04	848	5,88	848	5,77
868	5,95	868	5,83	868	6,22	868	6,05	868	5,89	868	5,78
888	5,95	888	5,82	888	6,21	888	6,06	888	5,90	884	5,77
900	5,96	900	5,83	900	6,21	900	6,06	900	5,89	900	5,78

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 10\text{ s}^{-1}$

$\dot{\gamma}_0 = 50\text{ s}^{-1}$		$\dot{\gamma}_0 = 100\text{ s}^{-1}$		$\dot{\gamma}_0 = 200\text{ s}^{-1}$		$\dot{\gamma}_0 = 500\text{ s}^{-1}$		$\dot{\gamma}_0 = 1000\text{ s}^{-1}$		$\dot{\gamma}_0 = 2000\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	1,91	4	1,60	4	1,32	4	1,05	4	0,88	4	0,73
24	2,06	24	1,83	24	1,59	24	1,38	24	1,23	24	1,08
44	2,14	44	1,92	44	1,71	44	1,51	44	1,38	44	1,24
64	2,19	64	1,98	64	1,78	64	1,60	64	1,47	64	1,34
85	2,23	84	2,03	85	1,85	85	1,67	84	1,55	84	1,42
105	2,26	105	2,06	105	1,91	105	1,72	105	1,60	105	1,49
125	2,29	125	2,09	125	1,96	125	1,77	125	1,65	125	1,54
145	2,31	145	2,12	145	2,00	145	1,82	145	1,70	145	1,59
165	2,33	165	2,14	165	2,04	165	1,86	165	1,73	165	1,63
185	2,35	185	2,16	185	2,08	185	1,90	185	1,77	185	1,66
205	2,35	205	2,18	205	2,10	205	1,93	205	1,80	205	1,69
225	2,37	225	2,19	225	2,13	225	1,96	225	1,82	225	1,72
245	2,38	245	2,21	245	2,16	245	1,99	245	1,85	245	1,74
265	2,39	265	2,22	265	2,18	265	2,01	265	1,87	265	1,77
285	2,40	285	2,23	285	2,20	285	2,04	285	1,89	285	1,79
306	2,41	305	2,25	305	2,22	305	2,06	305	1,91	305	1,81
326	2,40	326	2,26	326	2,23	326	2,08	326	1,93	326	1,82
346	2,41	346	2,26	346	2,25	346	2,10	346	1,95	346	1,84
366	2,42	366	2,27	366	2,26	386	2,13	366	1,97	366	1,85
386	2,43	386	2,28	386	2,27	406	2,14	386	1,98	386	1,87
406	2,43	406	2,29	406	2,29	426	2,15	406	2,00	406	1,88
426	2,43	426	2,29	426	2,29	446	2,17	426	2,01	446	1,90
446	2,43	446	2,30	446	2,30	466	2,18	446	2,02	466	1,91
466	2,43	466	2,30	466	2,31	486	2,18	466	2,03	486	1,92
486	2,43	486	2,31	486	2,32	506	2,20	486	2,04	506	1,93
506	2,45	506	2,32	506	2,32	526	2,20	506	2,05	526	1,94
526	2,45	526	2,32	526	2,33	546	2,21	526	2,06	547	1,95
546	2,44	547	2,32	547	2,34	567	2,22	547	2,07	567	1,96
567	2,44	567	2,33	567	2,35	587	2,23	567	2,08	587	1,96
587	2,45	587	2,33	587	2,35	607	2,24	587	2,09	607	1,97
607	2,45	607	2,34	607	2,36	627	2,24	607	2,09	627	1,98
627	2,46	627	2,34	627	2,36	647	2,25	627	2,10	647	1,98
647	2,46	647	2,34	647	2,36	667	2,25	647	2,11	667	1,99
667	2,45	667	2,34	667	2,37	687	2,26	667	2,11	687	2,00
687	2,46	687	2,35	687	2,37	707	2,26	687	2,12	707	2,00
707	2,46	707	2,35	707	2,38	727	2,27	707	2,12	727	2,01
727	2,46	727	2,35	727	2,38	747	2,27	727	2,13	747	2,01
748	2,47	747	2,36	747	2,38	768	2,28	748	2,14	768	2,02
768	2,47	768	2,36	768	2,39	788	2,28	768	2,14	788	2,02
788	2,46	788	2,36	788	2,39	808	2,28	788	2,15	808	2,03
808	2,47	808	2,36	808	2,39	828	2,29	808	2,15	828	2,03
828	2,47	828	2,36	828	2,39	848	2,29	828	2,15	848	2,04
848	2,47	848	2,36	848	2,40	868	2,29	848	2,16	868	2,04
868	2,47	868	2,37	868	2,40	888	2,30	868	2,16	888	2,04
888	2,48	888	2,37	888	2,40	900	2,30	888	2,17	900	2,04
900	2,47	900	2,37	900	2,40			900	2,17		

HMHEC 1%; T = 20°C (RS 150) $\dot{\gamma}_1 = 25 s^{-1}$

$\dot{\gamma}_0 = 0,1 s^{-1}$		$\dot{\gamma}_0 = 0,2 s^{-1}$		$\dot{\gamma}_0 = 0,5 s^{-1}$		$\dot{\gamma}_0 = 1 s^{-1}$		$\dot{\gamma}_0 = 2 s^{-1}$		$\dot{\gamma}_0 = 5 s^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	1,402	3	1,435	3	1,357	3	1,288	3	1,184	3	1,231
24	1,254	24	1,266	24	1,212	24	1,183	24	1,100	24	1,097
44	1,214	45	1,223	45	1,180	45	1,158	45	1,085	45	1,088
65	1,193	66	1,204	66	1,167	66	1,150	67	1,079	66	1,087
84	1,181	87	1,192	87	1,160	88	1,144	87	1,075	88	1,086
105	1,171	109	1,183	109	1,156	109	1,143	109	1,074	109	1,086
125	1,166	130	1,178	130	1,153	130	1,140	130	1,071	130	1,086
145	1,161	151	1,173	151	1,151	151	1,139	151	1,070	151	1,086
165	1,156	172	1,168	172	1,149	172	1,138	172	1,069	172	1,086
185	1,153	193	1,166	193	1,147	193	1,138	193	1,069	193	1,086
205	1,150	214	1,163	214	1,146	214	1,137	214	1,068	214	1,085
225	1,148	235	1,161	235	1,144	235	1,137	235	1,067	235	1,085
245	1,145	256	1,159	256	1,143	256	1,136	256	1,066	256	1,084
265	1,144	278	1,158	278	1,141	278	1,136	278	1,064	278	1,084
285	1,142	299	1,155	299	1,141	299	1,136	299	1,066	299	1,084
306	1,141	320	1,155	320	1,139	320	1,136	320	1,064	320	1,084
326	1,138	341	1,153	341	1,140	341	1,136	341	1,064	341	1,085
346	1,137	362	1,152	362	1,140	362	1,135	362	1,063	362	1,084
366	1,137	383	1,151	383	1,141	383	1,135	383	1,063	383	1,084
386	1,135	404	1,150	404	1,140	404	1,134	404	1,062	404	1,083
406	1,134	425	1,150	425	1,139	425	1,135	425	1,062	425	1,084
426	1,133	446	1,148	446	1,140	446	1,133	446	1,061	446	1,083
446	1,132	467	1,148	468	1,139	468	1,134	468	1,061	468	1,082
466	1,131	489	1,147	489	1,139	489	1,134	489	1,061	489	1,082
486	1,131	510	1,147	510	1,138	510	1,134	510	1,061	510	1,082
506	1,129	531	1,146	531	1,138	531	1,133	531	1,061	531	1,082
527	1,130	552	1,145	552	1,137	552	1,133	552	1,061	552	1,082
546	1,129	573	1,144	573	1,137	573	1,134	573	1,062	573	1,082
567	1,128	594	1,144	594	1,136	594	1,133	594	1,061	594	1,083
587	1,127	615	1,143	615	1,137	615	1,133	615	1,061	615	1,082
607	1,126	636	1,143	636	1,137	636	1,133	636	1,060	636	1,082
627	1,126	657	1,143	657	1,136	657	1,133	657	1,060	657	1,082
647	1,125	678	1,142	678	1,136	678	1,133	678	1,061	678	1,082
667	1,125	699	1,142	699	1,136	699	1,133	699	1,061	699	1,083
687	1,125	720	1,142	720	1,136	720	1,133	720	1,060	720	1,083
707	1,124	741	1,142	741	1,136	741	1,133	741	1,060	741	1,083
727	1,124	762	1,142	762	1,136	762	1,133	762	1,060	762	1,082
748	1,124	783	1,141	783	1,136	783	1,132	783	1,061	783	1,083
768	1,123	804	1,141	804	1,136	804	1,133	804	1,061	804	1,081
788	1,124	825	1,141	825	1,136	825	1,132	825	1,060	825	1,083
808	1,123	846	1,140	846	1,135	846	1,133	846	1,060	846	1,082
828	1,123	867	1,140	867	1,135	867	1,132	867	1,060	867	1,083
848	1,122	888	1,140	888	1,136	888	1,132	888	1,060	888	1,083
868	1,122	900	1,140	900	1,135	900	1,133	900	1,060	900	1,082
888	1,122										
900	1,122										

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 25\text{ s}^{-1}$ (continuación)

$\dot{\gamma}_0 = 10\text{ s}^{-1}$		$\dot{\gamma}_0 = 100\text{ s}^{-1}$		$\dot{\gamma}_0 = 200\text{ s}^{-1}$		$\dot{\gamma}_0 = 500\text{ s}^{-1}$		$\dot{\gamma}_0 = 1000\text{ s}^{-1}$		$\dot{\gamma}_0 = 2000\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
3	1,195	5	0,800	5	0,686	5	0,575	5	0,510	5	0,436
24	1,083	23	0,877	23	0,780	23	0,695	23	0,643	23	0,581
45	1,077	45	0,910	45	0,830	45	0,759	46	0,712	45	0,656
66	1,076	64	0,928	63	0,856	63	0,792	63	0,747	63	0,693
87	1,075	86	0,943	86	0,881	86	0,823	86	0,780	86	0,730
109	1,075	104	0,953	104	0,897	104	0,844	104	0,802	104	0,753
130	1,075	127	0,963	127	0,913	127	0,866	127	0,824	127	0,777
151	1,075	145	0,969	145	0,924	145	0,880	145	0,840	145	0,794
172	1,076	167	0,978	168	0,936	168	0,896	167	0,857	168	0,811
193	1,075	186	0,982	186	0,944	185	0,906	186	0,868	186	0,824
214	1,076	208	0,988	208	0,952	208	0,919	208	0,882	208	0,838
235	1,075	226	0,992	226	0,958	226	0,926	226	0,891	226	0,849
256	1,076	249	0,996	249	0,964	249	0,936	249	0,902	249	0,860
277	1,075	267	1,000	267	0,969	267	0,942	267	0,909	267	0,869
299	1,074	290	1,002	290	0,975	290	0,949	290	0,917	290	0,879
320	1,075	308	1,006	308	0,979	308	0,954	308	0,923	308	0,886
341	1,074	330	1,007	330	0,983	330	0,960	330	0,929	331	0,894
362	1,075	348	1,010	348	0,986	348	0,964	348	0,935	348	0,900
383	1,075	371	1,013	371	0,989	371	0,969	371	0,940	371	0,906
404	1,075	389	1,014	389	0,992	389	0,972	389	0,944	389	0,911
425	1,073	412	1,018	412	0,994	412	0,976	412	0,950	412	0,916
446	1,074	430	1,018	430	0,996	430	0,979	430	0,953	430	0,921
467	1,074	453	1,021	452	0,998	452	0,982	453	0,958	452	0,925
489	1,074	471	1,021	471	1,001	471	0,985	470	0,960	470	0,929
510	1,074	493	1,023	493	1,002	493	0,987	493	0,964	493	0,933
531	1,073	511	1,025	511	1,004	511	0,989	511	0,966	511	0,936
552	1,073	534	1,026	534	1,007	534	0,992	534	0,969	534	0,941
573	1,074	552	1,026	552	1,007	552	0,994	552	0,973	552	0,942
594	1,073	575	1,027	575	1,010	574	0,995	575	0,975	574	0,947
615	1,074	593	1,027	593	1,010	593	0,997	593	0,977	593	0,949
636	1,074	615	1,028	615	1,012	615	0,999	615	0,979	615	0,952
657	1,074	633	1,028	633	1,014	633	1,000	633	0,982	633	0,955
678	1,074	656	1,030	656	1,015	656	1,002	656	0,983	656	0,957
699	1,073	674	1,030	674	1,016	674	1,002	674	0,985	674	0,960
720	1,074	697	1,031	697	1,016	697	1,003	697	0,988	697	0,961
741	1,074	715	1,032	715	1,017	715	1,004	715	0,988	715	0,964
762	1,073	737	1,032	737	1,018	738	1,006	738	0,991	738	0,966
783	1,074	756	1,033	755	1,019	755	1,007	755	0,992	756	0,967
804	1,073	778	1,033	778	1,020	778	1,008	778	0,994	778	0,970
825	1,074	796	1,034	796	1,020	796	1,009	796	0,995	796	0,971
846	1,074	819	1,034	819	1,022	819	1,010	819	0,996	819	0,973
867	1,074	837	1,034	837	1,022	837	1,012	837	0,998	837	0,975
888	1,074	859	1,036	860	1,023	859	1,013	859	0,999	860	0,976
900	1,073	877	1,035	877	1,023	877	1,013	877	0,999	878	0,978
		900	1,037	900	1,024	900	1,015	900	1,001	900	0,978

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 50\text{ s}^{-1}$

$\dot{\gamma}_0 = 100\text{ s}^{-1}$		$\dot{\gamma}_0 = 200\text{ s}^{-1}$		$\dot{\gamma}_0 = 500\text{ s}^{-1}$		$\dot{\gamma}_0 = 1000\text{ s}^{-1}$		$\dot{\gamma}_0 = 2000\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	0,454	4	0,420	4	0,372	4	0,323	4	0,311
24	0,486	24	0,463	24	0,423	24	0,396	24	0,370
44	0,504	44	0,480	44	0,449	44	0,426	44	0,403
64	0,512	64	0,492	64	0,464	64	0,444	64	0,424
84	0,517	84	0,499	84	0,475	84	0,457	84	0,438
105	0,520	105	0,503	105	0,484	105	0,468	105	0,450
125	0,523	125	0,507	125	0,490	125	0,475	125	0,461
145	0,525	145	0,510	145	0,495	145	0,482	145	0,467
165	0,526	165	0,512	165	0,499	165	0,487	165	0,472
185	0,528	185	0,515	185	0,502	185	0,491	185	0,477
205	0,529	205	0,516	205	0,504	205	0,494	205	0,484
225	0,529	225	0,517	225	0,507	225	0,497	225	0,486
245	0,530	245	0,518	245	0,510	245	0,501	245	0,492
265	0,532	265	0,521	265	0,512	265	0,503	265	0,494
285	0,532	285	0,521	285	0,513	285	0,506	285	0,498
305	0,533	306	0,522	305	0,515	305	0,508	305	0,500
326	0,533	326	0,523	326	0,516	326	0,510	326	0,503
346	0,534	346	0,523	346	0,518	346	0,511	346	0,504
366	0,534	366	0,524	366	0,518	366	0,512	366	0,505
386	0,534	386	0,525	386	0,519	386	0,514	386	0,507
406	0,535	406	0,525	406	0,520	406	0,517	406	0,510
426	0,535	426	0,525	426	0,521	426	0,517	426	0,510
446	0,535	446	0,525	446	0,522	446	0,518	446	0,512
466	0,536	466	0,526	466	0,522	466	0,519	466	0,514
486	0,536	486	0,526	486	0,523	486	0,521	486	0,515
506	0,535	506	0,527	506	0,524	506	0,520	506	0,515
526	0,537	526	0,526	526	0,526	527	0,522	527	0,517
547	0,536	546	0,527	547	0,526	547	0,522	547	0,517
567	0,537	567	0,528	567	0,526	567	0,523	567	0,519
587	0,536	587	0,528	587	0,526	587	0,524	587	0,520
607	0,537	607	0,527	607	0,527	607	0,524	607	0,520
627	0,537	627	0,528	627	0,527	627	0,524	627	0,522
647	0,537	647	0,529	647	0,528	647	0,525	647	0,523
667	0,537	667	0,529	667	0,528	667	0,526	667	0,523
687	0,538	687	0,529	687	0,528	687	0,526	687	0,525
707	0,537	707	0,529	707	0,528	707	0,528	707	0,526
727	0,537	727	0,529	727	0,528	727	0,528	727	0,527
747	0,537	747	0,530	748	0,529	748	0,528	747	0,528
768	0,538	768	0,530	768	0,528	767	0,528	768	0,527
788	0,538	788	0,529	788	0,529	788	0,529	788	0,528
808	0,538	808	0,530	808	0,530	808	0,529	808	0,528
828	0,538	828	0,530	828	0,529	828	0,530	828	0,530
848	0,538	848	0,530	848	0,530	848	0,529	848	0,530
868	0,538	868	0,530	868	0,530	868	0,530	868	0,530
888	0,538	888	0,530	888	0,530	888	0,530	888	0,529
900	0,538	900	0,530	900	0,530	900	0,530	900	0,530

HMHEC 1%; $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 100\text{ s}^{-1}$

$\dot{\gamma}_0 = 200\text{ s}^{-1}$		$\dot{\gamma}_0 = 500\text{ s}^{-1}$		$\dot{\gamma}_0 = 1000\text{ s}^{-1}$		$\dot{\gamma}_0 = 2000\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
4	0,250	4	0,220	4	0,200	4	0,180
24	0,264	24	0,240	24	0,228	24	0,214
44	0,271	44	0,249	44	0,242	44	0,227
64	0,274	64	0,254	64	0,247	64	0,236
84	0,275	85	0,257	85	0,251	85	0,242
105	0,276	105	0,260	105	0,254	105	0,247
125	0,277	125	0,262	125	0,256	125	0,250
145	0,278	145	0,263	145	0,258	145	0,252
165	0,278	165	0,264	165	0,260	165	0,254
185	0,278	185	0,265	185	0,261	185	0,256
205	0,279	205	0,266	205	0,262	205	0,257
225	0,279	225	0,267	225	0,263	225	0,258
245	0,279	245	0,267	245	0,264	245	0,259
265	0,279	265	0,268	265	0,265	265	0,260
285	0,279	285	0,268	285	0,265	285	0,261
306	0,280	305	0,269	305	0,266	305	0,262
326	0,280	326	0,269	326	0,266	326	0,262
346	0,280	346	0,270	346	0,267	346	0,263
366	0,280	366	0,270	366	0,267	366	0,264
386	0,280	386	0,270	386	0,268	386	0,264
406	0,280	406	0,270	406	0,268	406	0,265
426	0,280	426	0,270	426	0,268	426	0,265
446	0,280	446	0,270	446	0,268	446	0,266
466	0,280	466	0,270	466	0,269	466	0,266
486	0,280	486	0,271	486	0,269	486	0,267
506	0,280	506	0,270	506	0,269	506	0,267
527	0,280	526	0,271	526	0,269	527	0,267
547	0,280	547	0,270	547	0,269	547	0,267
567	0,280	567	0,270	567	0,269	567	0,268
587	0,280	587	0,270	587	0,270	587	0,268
607	0,280	607	0,270	607	0,270	607	0,268
627	0,280	627	0,270	627	0,270	627	0,269
647	0,280	647	0,270	647	0,270	647	0,269
667	0,280	667	0,270	667	0,270	667	0,269
687	0,280	687	0,271	687	0,270	687	0,269
707	0,280	707	0,271	707	0,270	707	0,269
727	0,280	727	0,270	727	0,271	727	0,270
747	0,280	747	0,270	748	0,271	747	0,270
767	0,280	768	0,270	767	0,271	767	0,270
788	0,280	788	0,270	788	0,271	788	0,270
808	0,280	808	0,270	808	0,271	808	0,270
828	0,280	828	0,271	828	0,272	828	0,270
848	0,280	848	0,270	848	0,272	848	0,270
868	0,280	868	0,270	868	0,272	868	0,270
888	0,280	888	0,271	888	0,272	888	0,270
900	0,280	900	0,271	900	0,272	900	0,270

Apéndice V. Reología de soluciones HMHEC + (80% agua + 20% butoxietanol)

AV. 1. Viscoelasticidad lineal

HMHEC 1,5% + (80% agua + 20% butoxietanol) T = 20°C

ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	7,90E-03	6,31E-02	6,28E-02	3,82E-03
9,22E-02	1,17E-02	8,81E-02	9,22E-02	7,04E-03
1,35E-01	1,66E-02	1,24E-01	1,35E-01	1,19E-02
1,99E-01	2,52E-02	1,79E-01	1,99E-01	1,98E-02
2,92E-01	4,00E-02	2,57E-01	2,92E-01	3,19E-02
4,28E-01	6,14E-02	3,64E-01	4,28E-01	5,11E-02
6,28E-01	9,90E-02	5,14E-01	6,28E-01	8,03E-02
9,22E-01	1,57E-01	7,18E-01	9,22E-01	1,26E-01
1,35E+00	2,40E-01	9,99E-01	1,35E+00	2,01E-01
1,99E+00	3,42E-01	1,37E+00	1,99E+00	3,26E-01
2,92E+00	5,23E-01	1,88E+00	2,92E+00	5,18E-01
4,28E+00	8,24E-01	2,50E+00	4,28E+00	7,59E-01
6,28E+00	1,16E+00	3,30E+00	6,28E+00	1,18E+00
6,28E+00	1,12E+00	3,43E+00	6,28E+00	1,19E+00
9,22E+00	1,67E+00	4,55E+00	9,22E+00	1,76E+00
1,35E+01	2,49E+00	6,03E+00	1,35E+01	2,58E+00
1,99E+01	3,62E+00	7,86E+00	1,99E+01	3,72E+00
2,92E+01	5,20E+00	1,01E+01	2,92E+01	5,32E+00
4,28E+01	7,47E+00	1,30E+01	4,28E+01	7,56E+00
6,28E+01	1,05E+01	1,60E+01	6,28E+01	1,07E+01

AV. 2. Viscosidad estacionaria

HMHEC 1,5% + (80% agua + 20% butoxietanol) T = 20°C

$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,07	8,58E-01	0,07	8,84E-01
0,1	8,13E-01	0,1	8,37E-01
0,2	8,02E-01	0,2	8,16E-01
0,5	7,75E-01	0,5	7,78E-01
1	7,46E-01	1	7,52E-01
2	7,08E-01	2	7,11E-01
5	6,28E-01	5	6,32E-01
10	5,50E-01	10	5,56E-01
20	4,65E-01	20	4,71E-01
50	3,51E-01	50	3,55E-01
100	2,70E-01	100	2,73E-01
200	2,00E-01	200	2,02E-01
500	1,29E-01	500	1,30E-01
1000	8,97E-02	1000	9,08E-02
2000	6,13E-02	2000	6,21E-02
3000	4,87E-02	3000	4,93E-02
4000	4,17E-02	4000	4,20E-02
5000	3,70E-02	5000	3,72E-02

AV. 3. Tixotropía

HMHEC 1,5% + (80% agua + 20% butoxietanol) $T = 20^{\circ}\text{C}$ (RS 150) $\dot{\gamma}_1 = 2000\text{ s}^{-1}$

$\dot{\gamma}_0 = 0,1\text{ s}^{-1}$		$\dot{\gamma}_0 = 1\text{ s}^{-1}$		$\dot{\gamma}_0 = 5\text{ s}^{-1}$		$\dot{\gamma}_0 = 10\text{ s}^{-1}$		$\dot{\gamma}_0 = 100\text{ s}^{-1}$	
t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)	t (s)	η (Pa·s)
10	0,755	10	0,672	10	0,595	10	0,506	10	0,254
30	0,786	30	0,692	30	0,608	30	0,516	30	0,257
50	0,778	50	0,700	50	0,613	51	0,519	50	0,258
71	0,808	71	0,707	70	0,616	71	0,522	70	0,259
91	0,808	91	0,712	90	0,617	91	0,523	91	0,259
111	0,814	111	0,717	111	0,619	111	0,525	111	0,259
131	0,815	131	0,714	131	0,620	131	0,525	131	0,260
151	0,801	151	0,716	151	0,620	151	0,525	151	0,259
171	0,791	172	0,717	171	0,620	172	0,526	171	0,260
192	0,795	192	0,719	191	0,622	192	0,525	191	0,259
212	0,806	212	0,723	212	0,622	212	0,526	211	0,259
232	0,801	232	0,720	232	0,620	232	0,526	232	0,259
252	0,791	252	0,720	252	0,622	252	0,526	252	0,259
272	0,778	272	0,720	272	0,622	272	0,526	272	0,259
292	0,791	292	0,720	292	0,621	293	0,526	292	0,259
313	0,796	313	0,716	312	0,621	313	0,526	312	0,259
333	0,774	333	0,716	333	0,622	333	0,526	333	0,259
353	0,815	353	0,716	353	0,624	353	0,526	353	0,259
373	0,801	373	0,717	373	0,622	373	0,526	373	0,259
393	0,803	393	0,717	393	0,623	393	0,527	395	0,259
413	0,796	413	0,720	413	0,624	414	0,526	415	0,259
434	0,789	434	0,723	433	0,623	434	0,528	435	0,259
454	0,810	454	0,724	453	0,623	454	0,528	455	0,259
474	0,797	474	0,724	474	0,624	474	0,528	475	0,259
494	0,811	494	0,723	494	0,625	495	0,528	495	0,259
514	0,797	514	0,721	514	0,624	514	0,528	515	0,259
535	0,786	534	0,724	534	0,625	535	0,529	535	0,259
555	0,778	555	0,725	554	0,625	555	0,528	555	0,259
575	0,808	575	0,726	574	0,625	575	0,529	575	0,259
595	0,778	595	0,728	595	0,625	595	0,528	595	0,259
615	0,791	615	0,727	615	0,626	615	0,529	615	0,259
635	0,780	635	0,726	635	0,626	635	0,529	635	0,259
656	0,797	655	0,724	655	0,625	656	0,529	655	0,258
676	0,795	676	0,726	675	0,625	676	0,529	675	0,259
696	0,812	696	0,720	696	0,626	696	0,529	695	0,258
716	0,813	716	0,723	716	0,626	716	0,529	715	0,258
736	0,774	736	0,719	736	0,625	737	0,529	735	0,258
756	0,766	756	0,720	756	0,626	756	0,530	755	0,258
777	0,809	777	0,724	776	0,627	777	0,529	775	0,258
797	0,795	797	0,727	796	0,626	797	0,529	795	0,258
817	0,791	817	0,726	816	0,626	817	0,529	815	0,258
837	0,780	837	0,726	837	0,627	837	0,529	835	0,258
857	0,797	857	0,729	857	0,627	857	0,529	855	0,258
877	0,795	878	0,725	877	0,626	877	0,528	875	0,258
898	0,812	898	0,727	897	0,626	898	0,529	895	0,258

Apéndice VI. Influencia de los tensioactivos. Interacción HMHEC-SDS

AVI. 1. Celulosas no asociativas + SDS

HEC9 25% + SDS; T = 30°C

ω (rad·s ⁻¹)	sin SDS		[SDS] = 0,8 g·L ⁻¹			
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)		
6,28E-02	1,74E-04	5,75E-02	1,20E-04	2,99E-02		
9,42E-02	3,89E-04	7,71E-02	2,00E-04	4,57E-02		
1,38E-01	8,13E-04	1,11E-01	5,13E-04	6,77E-02		
2,01E-01	1,82E-03	1,67E-01	1,21E-03	9,96E-02		
2,89E-01	3,31E-03	2,47E-01	2,07E-03	1,46E-01		
4,27E-01	5,75E-03	3,57E-01	4,08E-03	2,15E-01		
6,28E-01	1,00E-02	5,30E-01	5,75E-03	3,18E-01		
6,28E-01	9,33E-03	5,52E-01	5,25E-03	3,72E-01		
9,24E-01	1,62E-02	8,10E-01	7,55E-03	6,23E-01		
1,35E+00	2,82E-02	1,18E+00	1,42E-02	9,10E-01		
1,99E+00	5,01E-02	1,73E+00	2,49E-02	1,33E+00		
2,92E+00	9,12E-02	2,52E+00	5,13E-02	1,94E+00		
4,28E+00	1,74E-01	3,66E+00	1,02E-01	2,83E+00		
6,28E+00	2,95E-01	5,30E+00	1,76E-01	4,13E+00		
6,28E+00	3,24E-01	5,39E+00	1,59E-01	4,20E+00		
9,24E+00	4,47E-01	7,80E+00	2,43E-01	6,12E+00		
1,35E+01	7,08E-01	1,13E+01	3,63E-01	8,92E+00		
1,99E+01	1,07E+00	1,63E+01	4,47E-01	1,31E+01		
2,92E+01	1,67E+00	2,35E+01	7,08E-01	1,92E+01		
4,28E+01	2,09E+00	3,47E+01	1,12E+00	2,82E+01		
6,28E+01	2,37E+00	5,07E+01	1,74E+00	4,32E+01		
6,28E+01	2,29E+00	5,29E+01	1,95E+00	4,51E+01		
ω (rad·s ⁻¹)	[SDS] = 1,6 g·L ⁻¹				[SDS] = 3,2 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G'' (Pa)	G' (Pa)
6,28E-02			5,75E-05	3,77E-02		
9,42E-02	2,19E-04	6,58E-02	1,45E-04	5,17E-02	1,74E-04	5,15E-02
1,38E-01	4,68E-04	9,19E-02	3,89E-04	7,46E-02	4,27E-04	7,68E-02
2,01E-01	1,00E-03	1,34E-01	8,13E-04	1,08E-01	8,51E-04	1,15E-01
2,89E-01	1,74E-03	1,93E-01	1,45E-03	1,60E-01	1,51E-03	1,67E-01
4,27E-01	3,47E-03	2,89E-01	2,75E-03	2,31E-01	2,88E-03	2,50E-01
6,28E-01	6,61E-03	4,14E-01	4,57E-03	3,37E-01	5,01E-03	3,98E-01
6,28E-01	6,63E-03	4,52E-01	4,74E-03	4,04E-01	4,95E-03	3,98E-01
9,24E-01	1,20E-02	6,65E-01	8,00E-03	5,93E-01	8,74E-03	6,54E-01
1,35E+00	2,12E-02	9,71E-01	1,38E-02	8,66E-01	1,52E-02	9,54E-01
1,99E+00	3,66E-02	1,42E+00	2,27E-02	1,27E+00	2,59E-02	1,40E+00
2,92E+00	7,24E-02	2,08E+00	4,64E-02	1,85E+00	5,27E-02	2,04E+00
4,28E+00	1,39E-01	3,02E+00	9,23E-02	2,70E+00	1,05E-01	2,97E+00
6,28E+00	2,46E-01	4,40E+00	1,64E-01	3,94E+00	1,88E-01	4,33E+00
6,28E+00	2,24E-01	4,48E+00	1,51E-01	3,98E+00	1,75E-01	4,37E+00
9,24E+00	3,60E-01	6,52E+00	2,35E-01	5,81E+00	2,80E-01	6,38E+00
1,35E+01	5,61E-01	9,47E+00	3,59E-01	8,48E+00	4,44E-01	9,30E+00
1,99E+01	8,51E-01	1,38E+01	5,13E-01	1,25E+01	5,51E-01	1,36E+01
2,92E+01	1,23E+00	2,02E+01	7,41E-01	1,84E+01	8,91E-01	2,00E+01
4,28E+01	1,82E+00	2,98E+01	1,12E+00	2,67E+01	1,29E+00	3,00E+01
6,28E+01	2,75E+00	4,44E+01	1,45E+00	4,14E+01	1,74E+00	4,64E+01
6,28E+01	3,02E+00	4,66E+01	3,47E+00	4,23E+01	1,82E+00	4,61E+01

HEC130 2% + SDS; T = 30°C

ω (rad·s ⁻¹)	sin SDS		[SDS] = 0,4 g·L ⁻¹					
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)		
6,28E-02	6,62E+00	9,60E+00	1,77E+00	4,61E+00	1,54E+00	4,32E+00		
9,42E-02	9,07E+00	1,25E+01	2,81E+00	6,40E+00	2,62E+00	6,29E+00		
1,38E-01	1,23E+01	1,62E+01	4,18E+00	8,54E+00	4,03E+00	8,58E+00		
2,01E-01	1,62E+01	2,04E+01	6,07E+00	1,12E+01	5,93E+00	1,14E+01		
2,89E-01	2,12E+01	2,54E+01	8,61E+00	1,44E+01	8,59E+00	1,48E+01		
4,27E-01	2,72E+01	3,10E+01	1,19E+01	1,82E+01	1,21E+01	1,89E+01		
6,28E-01	3,49E+01	3,75E+01	1,64E+01	2,27E+01	1,65E+01	2,33E+01		
6,28E-01	3,57E+01	3,83E+01	1,73E+01	2,38E+01	1,76E+01	2,47E+01		
9,24E-01	4,52E+01	4,56E+01	2,30E+01	2,89E+01	2,36E+01	3,02E+01		
1,35E+00	5,65E+01	5,33E+01	3,01E+01	3,46E+01	3,11E+01	3,63E+01		
1,99E+00	7,02E+01	6,19E+01	3,89E+01	4,09E+01	4,02E+01	4,29E+01		
2,92E+00	8,66E+01	7,02E+01	4,95E+01	4,73E+01	5,15E+01	4,98E+01		
4,28E+00	1,06E+02	7,83E+01	6,18E+01	5,34E+01	6,48E+01	5,66E+01		
6,28E+00	1,26E+02	8,54E+01	7,64E+01	5,97E+01	8,04E+01	6,34E+01		
6,28E+00	1,28E+02	8,67E+01	7,77E+01	6,09E+01	8,13E+01	6,42E+01		
9,24E+00	1,52E+02	9,43E+01	9,42E+01	6,72E+01	9,90E+01	7,11E+01		
1,35E+01	1,77E+02	1,01E+02	1,13E+02	7,28E+01	1,18E+02	7,69E+01		
1,99E+01	2,05E+02	1,07E+02	1,32E+02	7,85E+01	1,40E+02	8,32E+01		
2,92E+01	2,34E+02	1,13E+02	1,53E+02	8,42E+01	1,62E+02	8,93E+01		
4,28E+01	2,61E+02	1,19E+02	1,73E+02	8,99E+01	1,83E+02	9,47E+01		
6,28E+01	2,86E+02	1,21E+02	1,91E+02	9,45E+01	2,02E+02	1,00E+02		
6,28E+01	2,85E+02	1,21E+02	1,89E+02	9,45E+01	2,01E+02	1,00E+02		
ω (rad·s ⁻¹)	[SDS] = 0,8 g·L ⁻¹				[SDS] = 1,6 g·L ⁻¹			
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	1,74E+00	4,38E+00	1,71E+00	4,52E+00	1,79E+00	4,63E+00	1,87E+00	4,78E+00
9,42E-02	2,81E+00	6,17E+00	2,74E+00	6,38E+00	2,88E+00	6,54E+00	2,91E+00	6,61E+00
1,38E-01	4,17E+00	8,24E+00	4,21E+00	8,68E+00	4,33E+00	8,84E+00	4,32E+00	8,81E+00
2,01E-01	6,06E+00	1,09E+01	6,14E+00	1,15E+01	6,31E+00	1,16E+01	6,27E+00	1,16E+01
2,89E-01	8,44E+00	1,40E+01	8,84E+00	1,49E+01	9,03E+00	1,50E+01	8,80E+00	1,48E+01
4,27E-01	1,15E+01	1,75E+01	1,23E+01	1,89E+01	1,25E+01	1,89E+01	1,22E+01	1,87E+01
6,28E-01	1,57E+01	2,18E+01	1,67E+01	2,33E+01	1,73E+01	2,39E+01	1,68E+01	2,35E+01
6,28E-01	1,67E+01	2,30E+01	1,77E+01	2,46E+01	1,81E+01	2,49E+01	1,78E+01	2,45E+01
9,24E-01	2,22E+01	2,81E+01	2,36E+01	3,01E+01	2,41E+01	3,03E+01	2,37E+01	2,98E+01
1,35E+00	2,90E+01	3,37E+01	3,10E+01	3,61E+01	3,15E+01	3,63E+01	3,10E+01	3,57E+01
1,99E+00	3,76E+01	3,99E+01	3,99E+01	4,26E+01	4,07E+01	4,28E+01	3,99E+01	4,21E+01
2,92E+00	4,78E+01	4,61E+01	5,11E+01	4,95E+01	5,19E+01	4,95E+01	5,09E+01	4,87E+01
4,28E+00	6,06E+01	5,29E+01	6,46E+01	5,64E+01	6,54E+01	5,63E+01	6,38E+01	5,51E+01
6,28E+00	7,45E+01	5,89E+01	7,99E+01	6,32E+01	8,02E+01	6,25E+01	7,92E+01	6,19E+01
6,28E+00	7,55E+01	5,97E+01	8,11E+01	6,41E+01	8,17E+01	6,38E+01	8,00E+01	6,25E+01
9,24E+00	9,19E+01	6,62E+01	9,87E+01	7,10E+01	9,92E+01	7,04E+01	9,72E+01	6,90E+01
1,35E+01	1,10E+02	7,17E+01	1,18E+02	7,70E+01	1,18E+02	7,63E+01	1,16E+02	7,48E+01
1,99E+01	1,29E+02	7,75E+01	1,39E+02	8,30E+01	1,40E+02	8,26E+01	1,37E+02	8,06E+01
2,92E+01	1,50E+02	8,31E+01	1,61E+02	8,91E+01	1,61E+02	8,83E+01	1,58E+02	8,62E+01
4,28E+01	1,69E+02	8,86E+01	1,82E+02	9,48E+01	1,82E+02	9,41E+01	1,78E+02	9,22E+01
6,28E+01	1,88E+02	9,40E+01	2,02E+02	1,00E+02	2,01E+02	9,84E+01	1,97E+02	9,64E+01
6,28E+01	1,86E+02	9,42E+01	2,01E+02	1,01E+02	2,00E+02	9,95E+01	1,96E+02	9,76E+01

HEC130 2% + SDS; T = 30°C (continuación)

ω (rad·s ⁻¹)	[SDS] = 3,2 g·L ⁻¹				[SDS] = 4,8 g·L ⁻¹			
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,59E+00	6,25E+00	2,61E+00	6,25E+00	4,32E+00	8,79E+00	3,10E+00	7,10E+00
9,42E-02	4,05E+00	8,58E+00	4,15E+00	8,69E+00	6,65E+00	1,18E+01	4,89E+00	9,77E+00
1,38E-01	5,94E+00	1,13E+01	6,20E+00	1,16E+01	9,70E+00	1,54E+01	7,19E+00	1,29E+01
2,01E-01	8,51E+00	1,46E+01	9,00E+00	1,51E+01	1,37E+01	1,96E+01	1,03E+01	1,67E+01
2,89E-01	1,19E+01	1,85E+01	1,26E+01	1,92E+01	1,87E+01	2,42E+01	1,45E+01	2,10E+01
4,27E-01	1,63E+01	2,30E+01	1,72E+01	2,38E+01	2,49E+01	2,94E+01	1,96E+01	2,58E+01
6,28E-01	2,20E+01	2,81E+01	2,32E+01	2,92E+01	3,25E+01	3,47E+01	2,61E+01	3,13E+01
6,28E-01	2,25E+01	2,87E+01	2,36E+01	2,97E+01	3,33E+01	3,55E+01	2,67E+01	3,20E+01
9,24E-01	2,96E+01	3,44E+01	3,10E+01	3,56E+01	4,25E+01	4,15E+01	3,48E+01	3,79E+01
1,35E+00	3,82E+01	4,05E+01	4,00E+01	4,20E+01	5,31E+01	4,75E+01	4,45E+01	4,43E+01
1,99E+00	4,86E+01	4,72E+01	5,07E+01	4,88E+01	6,55E+01	5,38E+01	5,59E+01	5,10E+01
2,92E+00	6,10E+01	5,37E+01	6,36E+01	5,55E+01	8,03E+01	6,00E+01	6,95E+01	5,75E+01
4,28E+00	7,56E+01	6,01E+01	7,88E+01	6,23E+01	9,63E+01	6,52E+01	8,52E+01	6,37E+01
6,28E+00	9,15E+01	6,60E+01	9,55E+01	6,84E+01	1,14E+02	7,00E+01	1,03E+02	6,96E+01
6,28E+00	9,24E+01	6,66E+01	9,64E+01	6,90E+01	1,15E+02	7,07E+01	1,03E+02	7,01E+01
9,24E+00	1,11E+02	7,25E+01	1,15E+02	7,51E+01	1,34E+02	7,55E+01	1,22E+02	7,57E+01
1,35E+01	1,30E+02	7,75E+01	1,36E+02	8,02E+01	1,55E+02	7,90E+01	1,43E+02	8,02E+01
1,99E+01	1,51E+02	8,27E+01	1,58E+02	8,55E+01	1,77E+02	8,30E+01	1,65E+02	8,50E+01
2,92E+01	1,73E+02	8,77E+01	1,81E+02	9,06E+01	1,99E+02	8,64E+01	1,88E+02	8,96E+01
4,28E+01	1,94E+02	9,20E+01	2,02E+02	9,59E+01	2,19E+02	8,99E+01	2,08E+02	9,42E+01
6,28E+01	2,13E+02	9,67E+01	2,21E+02	9,97E+01	2,37E+02	9,21E+01	2,27E+02	9,67E+01
6,28E+01	2,11E+02	9,65E+01	2,20E+02	1,00E+02	2,36E+02	9,33E+01	2,26E+02	9,80E+01

HPMC 6% + SDS; $T = 30^{\circ}\text{C}$

ω (rad·s ⁻¹)	sin SDS				[SDS] = 0,8 g·L ⁻¹			
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	7,63E+00	2,55E+01	4,70E+00	1,95E+01	4,75E+00	2,16E+01	2,85E+00	1,70E+01
9,42E-02	1,44E+01	3,96E+01	1,01E+01	3,17E+01	1,03E+01	3,55E+01	6,86E+00	2,88E+01
1,38E-01	2,38E+01	5,79E+01	1,74E+01	4,68E+01	1,87E+01	5,39E+01	1,29E+01	4,38E+01
2,01E-01	3,66E+01	8,10E+01	2,78E+01	6,67E+01	3,07E+01	7,75E+01	2,21E+01	6,38E+01
2,89E-01	5,40E+01	1,11E+02	4,26E+01	9,26E+01	4,74E+01	1,08E+02	3,53E+01	8,93E+01
4,27E-01	7,79E+01	1,48E+02	6,27E+01	1,25E+02	7,00E+01	1,44E+02	5,39E+01	1,22E+02
6,28E-01	1,09E+02	1,93E+02	9,05E+01	1,66E+02	1,02E+02	1,90E+02	7,96E+01	1,62E+02
6,28E-01	1,15E+02	2,00E+02	9,37E+01	1,72E+02	1,07E+02	1,99E+02	8,40E+01	1,68E+02
9,24E-01	1,57E+02	2,57E+02	1,31E+02	2,23E+02	1,51E+02	2,55E+02	1,20E+02	2,19E+02
1,35E+00	2,16E+02	3,26E+02	1,80E+02	2,83E+02	2,07E+02	3,22E+02	1,68E+02	2,79E+02
1,99E+00	2,92E+02	4,09E+02	2,46E+02	3,56E+02	2,84E+02	4,05E+02	2,33E+02	3,53E+02
2,92E+00	3,93E+02	5,03E+02	3,32E+02	4,40E+02	3,80E+02	4,93E+02	3,19E+02	4,37E+02
4,28E+00	5,20E+02	6,04E+02	4,40E+02	5,30E+02	5,07E+02	5,96E+02	4,26E+02	5,25E+02
6,28E+00	6,71E+02	7,17E+02	5,83E+02	6,36E+02	6,64E+02	7,09E+02	5,64E+02	6,28E+02
6,28E+00	6,89E+02	7,31E+02	5,89E+02	6,44E+02	6,74E+02	7,17E+02	5,77E+02	6,41E+02
9,24E+00	8,83E+02	8,54E+02	7,58E+02	7,53E+02	8,59E+02	8,33E+02	7,47E+02	7,52E+02
1,35E+01	1,12E+03	9,82E+02	9,65E+02	8,70E+02	1,09E+03	9,53E+02	9,46E+02	8,62E+02
1,99E+01	1,40E+03	1,12E+03	1,21E+03	1,00E+03	1,36E+03	1,09E+03	1,19E+03	9,87E+02
2,92E+01	1,73E+03	1,27E+03	1,50E+03	1,13E+03	1,67E+03	1,22E+03	1,47E+03	1,12E+03
4,28E+01	2,07E+03	1,40E+03	1,79E+03	1,25E+03	1,99E+03	1,35E+03	1,77E+03	1,23E+03
6,28E+01	2,46E+03	1,47E+03	2,13E+03	1,34E+03	2,36E+03	1,41E+03	2,09E+03	1,32E+03
6,28E+01	2,45E+03	1,50E+03	2,14E+03	1,34E+03	2,38E+03	1,45E+03	2,12E+03	1,32E+03
ω (rad·s ⁻¹)	[SDS] = 1,6 g·L ⁻¹				[SDS] = 3,2 g·L ⁻¹			
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	5,18E+00	2,41E+01	5,18E+00	2,49E+01	1,07E+01	3,31E+01	1,21E+01	4,23E+01
9,42E-02	1,21E+01	4,06E+01	1,15E+01	4,06E+01	1,91E+01	4,79E+01	2,41E+01	6,53E+01
1,38E-01	2,18E+01	6,07E+01	2,07E+01	6,04E+01	3,09E+01	6,76E+01	4,00E+01	9,22E+01
2,01E-01	3,58E+01	8,62E+01	3,37E+01	8,47E+01	4,79E+01	9,77E+01	6,17E+01	1,25E+02
2,89E-01	5,50E+01	1,18E+02	5,24E+01	1,16E+02	6,76E+01	1,29E+02	9,06E+01	1,64E+02
4,27E-01	8,12E+01	1,56E+02	7,75E+01	1,53E+02	9,77E+01	1,78E+02	1,29E+02	2,11E+02
6,28E-01	1,16E+02	2,03E+02	1,13E+02	2,01E+02	1,45E+02	2,45E+02	1,81E+02	2,71E+02
6,28E-01	1,22E+02	2,11E+02	1,18E+02	2,09E+02	1,45E+02	2,40E+02	1,87E+02	2,77E+02
9,24E-01	1,70E+02	2,69E+02	1,65E+02	2,66E+02	1,86E+02	2,88E+02	2,52E+02	3,44E+02
1,35E+00	2,32E+02	3,37E+02	2,26E+02	3,34E+02	2,57E+02	3,89E+02	3,34E+02	4,19E+02
1,99E+00	3,12E+02	4,16E+02	3,06E+02	4,13E+02	3,47E+02	4,79E+02	4,38E+02	5,07E+02
2,92E+00	4,15E+02	5,05E+02	4,11E+02	5,04E+02	4,57E+02	5,62E+02	5,74E+02	6,06E+02
4,28E+00	5,49E+02	6,05E+02	5,37E+02	5,96E+02	6,03E+02	6,61E+02	7,41E+02	7,09E+02
6,28E+00	7,14E+02	7,14E+02	6,90E+02	6,97E+02	8,13E+02	7,59E+02	9,33E+02	8,16E+02
6,28E+00	7,18E+02	7,16E+02	7,09E+02	7,14E+02	7,76E+02	7,59E+02	9,33E+02	8,13E+02
9,24E+00	9,09E+02	8,27E+02	9,05E+02	8,28E+02	1,02E+03	9,56E+02	1,16E+03	9,22E+02
1,35E+01	1,15E+03	9,44E+02	1,13E+03	9,35E+02	1,26E+03	1,06E+03	1,42E+03	1,02E+03
1,99E+01	1,42E+03	1,07E+03	1,39E+03	1,05E+03	1,62E+03	1,18E+03	1,72E+03	1,13E+03
2,92E+01	1,74E+03	1,20E+03	1,68E+03	1,16E+03	1,91E+03	1,29E+03	2,04E+03	1,23E+03
4,28E+01	2,08E+03	1,31E+03	1,99E+03	1,27E+03	2,24E+03	1,38E+03	2,39E+03	1,31E+03
6,28E+01	2,42E+03	1,39E+03	2,34E+03	1,33E+03	2,90E+03	1,43E+03	2,74E+03	1,36E+03
6,28E+01	2,43E+03	1,37E+03	2,36E+03	1,34E+03	2,45E+03	1,40E+03	2,74E+03	1,34E+03

HPMC 4% + SDS; T = 30°C

sin SDS						
ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)		
6,28E-02	1,40E+00	4,15E+00	8,60E-01	3,08E+00		
9,42E-02	2,14E+00	6,36E+00	1,90E+00	5,96E+00		
1,38E-01	3,32E+00	9,37E+00	3,55E+00	9,88E+00		
2,01E-01	4,89E+00	1,34E+01	5,87E+00	1,52E+01		
2,89E-01	7,16E+00	1,88E+01	9,44E+00	2,23E+01		
4,27E-01	1,03E+01	2,59E+01	1,34E+01	3,05E+01		
6,28E-01	1,49E+01	3,52E+01	1,76E+01	4,09E+01		
6,28E-01	1,49E+01	3,61E+01	2,08E+01	4,64E+01		
9,24E-01	2,12E+01	4,82E+01	2,98E+01	6,17E+01		
1,35E+00	3,02E+01	6,35E+01	4,22E+01	8,03E+01		
1,99E+00	4,30E+01	8,29E+01	5,86E+01	1,04E+02		
2,92E+00	6,09E+01	1,06E+02	8,32E+01	1,34E+02		
4,28E+00	8,53E+01	1,34E+02	1,16E+02	1,69E+02		
6,28E+00	1,18E+02	1,66E+02	1,58E+02	2,08E+02		
6,28E+00	1,18E+02	1,67E+02	1,63E+02	2,14E+02		
9,24E+00	1,59E+02	2,04E+02	2,18E+02	2,61E+02		
1,35E+01	2,11E+02	2,44E+02	2,88E+02	3,13E+02		
1,99E+01	2,75E+02	2,89E+02	3,71E+02	3,70E+02		
2,92E+01	3,53E+02	3,38E+02	4,70E+02	4,32E+02		
4,28E+01	4,40E+02	3,88E+02	5,79E+02	4,98E+02		
6,28E+01	5,42E+02	4,32E+02	7,07E+02	5,62E+02		
6,28E+01	5,41E+02	4,32E+02	7,13E+02	5,67E+02		
	[SDS] = 0,8 g·L ⁻¹		[SDS] = 1,6 g·L ⁻¹		[SDS] = 3,2 g·L ⁻¹	
ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G'' (Pa)	G' (Pa)
6,28E-02	8,35E-01	5,11E+00	7,49E-01	6,19E+00	2,82E+00	1,31E+01
9,42E-02	2,14E+00	9,25E+00	2,17E+00	1,09E+01	6,14E+00	2,14E+01
1,38E-01	4,05E+00	1,49E+01	4,51E+00	1,74E+01	1,12E+01	3,21E+01
2,01E-01	6,77E+00	2,18E+01	7,99E+00	2,54E+01	1,92E+01	4,61E+01
2,89E-01	1,12E+01	3,20E+01	1,32E+01	3,60E+01	3,01E+01	6,37E+01
4,27E-01	1,70E+01	4,41E+01	2,07E+01	5,00E+01	4,53E+01	8,52E+01
6,28E-01	2,58E+01	6,02E+01	3,06E+01	6,61E+01	6,65E+01	1,12E+02
6,28E-01	2,65E+01	6,37E+01	3,15E+01	7,06E+01	6,52E+01	1,14E+02
9,24E-01	3,87E+01	8,48E+01	4,63E+01	9,31E+01	9,21E+01	1,46E+02
1,35E+00	5,65E+01	1,11E+02	6,65E+01	1,21E+02	1,25E+02	1,80E+02
1,99E+00	8,08E+01	1,43E+02	9,40E+01	1,55E+02	1,70E+02	2,23E+02
2,92E+00	1,16E+02	1,82E+02	1,31E+02	1,93E+02	2,24E+02	2,67E+02
4,28E+00	1,58E+02	2,24E+02	1,77E+02	2,35E+02	2,91E+02	3,13E+02
6,28E+00	2,13E+02	2,76E+02	2,42E+02	2,89E+02	3,74E+02	3,65E+02
6,28E+00	2,22E+02	2,85E+02	2,48E+02	2,97E+02	3,95E+02	3,86E+02
9,24E+00	2,98E+02	3,46E+02	3,27E+02	3,55E+02	4,98E+02	4,44E+02
1,35E+01	3,87E+02	4,08E+02	4,20E+02	4,12E+02	6,19E+02	5,00E+02
1,99E+01	4,98E+02	4,79E+02	5,32E+02	4,76E+02	7,63E+02	5,67E+02
2,92E+01	6,25E+02	5,48E+02	6,59E+02	5,42E+02	9,23E+02	6,30E+02
4,28E+01	7,68E+02	6,24E+02	8,03E+02	6,14E+02	1,09E+03	6,87E+02
6,28E+01	9,28E+02	6,96E+02	9,68E+02	6,74E+02	1,26E+03	7,30E+02
6,28E+01	9,42E+02	7,06E+02	9,73E+02	6,85E+02	1,26E+03	7,35E+02

AVI. 2. HMHEC + SDS

AVI. 2. 1. Viscoelasticidad lineal

HMHEC 0,75% + SDS; T = 30°C

ω (rad·s ⁻¹)	sin SDS		[SDS] = 0,08 g·L ⁻¹		[SDS] = 1,6 g·L ⁻¹			
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,94E-02	8,43E-02	3,98E-02	1,22E-01	4,21E-01	1,05E+00		
9,24E-02	3,94E-02	1,08E-01	6,26E-02	1,58E-01	5,78E-01	1,33E+00		
1,35E-01	5,74E-02	1,46E-01	9,47E-02	2,07E-01	8,17E-01	1,74E+00		
1,99E-01	8,58E-02	1,97E-01	1,41E-01	2,68E-01	1,14E+00	2,24E+00		
2,92E-01	1,28E-01	2,64E-01	2,02E-01	3,38E-01	1,60E+00	2,86E+00		
4,28E-01	1,87E-01	3,40E-01	2,86E-01	4,17E-01	2,23E+00	3,62E+00		
6,28E-01	2,80E-01	4,35E-01	3,98E-01	5,12E-01	3,10E+00	4,49E+00		
6,28E-01	2,80E-01	4,35E-01	4,28E-01	5,45E-01	3,22E+00	4,64E+00		
9,24E-01	4,13E-01	5,50E-01	5,57E-01	6,30E-01	4,38E+00	5,58E+00		
1,35E+00	5,47E-01	6,43E-01	7,24E-01	7,28E-01	5,80E+00	6,55E+00		
1,99E+00	7,09E-01	7,35E-01	9,03E-01	8,14E-01	7,62E+00	7,56E+00		
2,92E+00	9,03E-01	8,28E-01	1,10E+00	8,91E-01	9,81E+00	8,42E+00		
4,28E+00	1,11E+00	9,13E-01	1,30E+00	9,68E-01	1,22E+01	8,95E+00		
6,28E+00	1,40E+00	1,04E+00	1,52E+00	1,06E+00	1,53E+01	9,47E+00		
6,28E+00	1,40E+00	1,04E+00	1,58E+00	1,11E+00	1,53E+01	9,47E+00		
9,24E+00	1,70E+00	1,21E+00	1,80E+00	1,24E+00	1,87E+01	9,56E+00		
1,35E+01	1,96E+00	1,36E+00	2,02E+00	1,43E+00	2,13E+01	8,97E+00		
1,99E+01	2,23E+00	1,55E+00	2,27E+00	1,74E+00	2,36E+01	8,21E+00		
2,92E+01	2,51E+00	1,86E+00	2,74E+00	2,25E+00	2,56E+01	7,40E+00		
4,28E+01	2,66E+00	2,22E+00	3,50E+00	2,81E+00	2,69E+01	6,75E+00		
6,28E+01	2,80E+00	3,11E+00	3,50E+00	4,50E+00	2,78E+01	6,54E+00		
6,28E+01	2,68E+00	3,03E+00	3,50E+00	4,50E+00	2,77E+01	6,41E+00		
	[SDS] = 3,2 g·L ⁻¹		[SDS] = 4 g·L ⁻¹		[SDS] = 4,8 g·L ⁻¹		[SDS] = 6,4 g·L ⁻¹	
ω (rad·s ⁻¹)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,20E-02	1,83E-01	6,68E-03	4,61E-02	7,41E-05	1,54E-03	3,89E-05	8,75E-04
9,24E-02	3,96E-02	2,65E-01	1,00E-02	6,07E-02	1,09E-04	2,43E-03	5,13E-05	1,23E-03
1,35E-01	6,88E-02	3,77E-01	1,70E-02	9,06E-02	1,78E-04	3,75E-03	7,31E-05	1,80E-03
1,99E-01	1,20E-01	5,41E-01	3,00E-02	1,39E-01	2,67E-04	5,74E-03	9,13E-05	2,69E-03
2,92E-01	2,09E-01	7,60E-01	4,86E-02	2,06E-01	4,13E-04	8,61E-03	1,33E-04	3,91E-03
4,28E-01	3,53E-01	1,03E+00	8,11E-02	2,54E-01	7,43E-04	1,28E-02	2,16E-04	5,81E-03
6,28E-01	6,03E-01	1,37E+00	1,25E-01	3,65E-01	1,21E-03	1,95E-02	3,31E-04	8,37E-03
6,28E-01	6,03E-01	1,37E+00	1,25E-01	3,65E-01	1,21E-03	1,95E-02	3,36E-04	8,37E-03
9,24E-01	9,97E-01	1,77E+00	2,18E-01	4,72E-01	2,01E-03	3,00E-02	6,77E-04	1,22E-02
1,35E+00	1,49E+00	2,15E+00	3,37E-01	6,74E-01	3,83E-03	4,36E-02	1,22E-03	1,80E-02
1,99E+00	2,18E+00	2,52E+00	5,03E-01	7,54E-01	7,34E-03	6,31E-02	2,64E-03	2,62E-02
2,92E+00	3,04E+00	2,81E+00	7,63E-01	9,45E-01	1,37E-02	9,05E-02	5,53E-03	3,86E-02
4,28E+00	4,03E+00	2,96E+00	9,39E-01	1,07E+00	2,70E-02	1,29E-01	9,55E-03	5,75E-02
6,28E+00	4,99E+00	2,95E+00	1,26E+00	1,20E+00	4,43E-02	1,88E-01	1,32E-02	8,53E-02
6,28E+00	5,01E+00	2,92E+00	1,33E+00	1,20E+00	4,43E-02	1,88E-01	1,37E-02	8,48E-02
9,24E+00	5,83E+00	2,80E+00	1,63E+00	1,35E+00	7,05E-02	2,71E-01	2,45E-02	1,27E-01
1,35E+01	6,51E+00	2,63E+00	1,90E+00	1,52E+00	1,22E-01	3,77E-01	6,55E-02	1,87E-01
1,99E+01	7,03E+00	2,58E+00	2,19E+00	1,77E+00	1,96E-01	5,32E-01	1,00E-01	2,57E-01
2,92E+01	7,38E+00	2,68E+00	2,56E+00	2,16E+00	2,88E-01	8,14E-01	6,29E-02	4,48E-01
4,28E+01	7,65E+00	3,04E+00	3,04E+00	2,60E+00	4,50E-01	1,47E+00	1,29E-01	1,15E+00
6,28E+01	7,77E+00	3,69E+00	3,06E+00	3,12E+00	7,00E-01	1,91E+00	2,88E-01	1,56E+00
6,28E+01	7,60E+00	3,80E+00	3,06E+00	3,12E+00	7,00E-01	1,91E+00	4,57E-01	5,72E-01

HMHEC 1% + SDS; T = 30°C

ω (rad·s ⁻¹)	sin SDS		[SDS] = 0,08 g·L ⁻¹		[SDS] = 1,6 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,66E-02	7,89E-02			7,31E-01	1,44E+00
6,28E-03	2,69E-02	8,13E-02	1,63E-02	1,01E-01	7,08E-01	1,45E+00
1,88E-02	8,63E-02	1,80E-01	4,59E-02	1,86E-01	1,61E+00	2,62E+00
4,40E-02	1,65E-01	3,19E-01	1,16E-01	3,39E-01	2,80E+00	4,01E+00
6,28E-02	2,51E-01	4,33E-01	1,85E-01	4,60E-01	3,71E+00	4,98E+00
6,28E-02	2,54E-01	4,48E-01	1,69E-01	4,63E-01	3,75E+00	5,23E+00
9,24E-02	3,55E-01	5,86E-01	2,59E-01	5,96E-01	4,62E+00	6,10E+00
1,35E-01	4,93E-01	7,53E-01	3,85E-01	7,65E-01	6,05E+00	7,48E+00
1,99E-01	6,77E-01	9,51E-01	5,67E-01	9,68E-01	7,73E+00	9,11E+00
2,92E-01	9,11E-01	1,18E+00	8,08E-01	1,20E+00	1,01E+01	1,11E+01
4,28E-01	1,21E+00	1,44E+00	1,11E+00	1,41E+00	1,27E+01	1,30E+01
6,28E-01	1,64E+00	1,76E+00	1,49E+00	1,65E+00	1,59E+01	1,51E+01
6,28E-01	1,67E+00	1,79E+00	1,61E+00	1,81E+00	1,57E+01	1,48E+01
9,24E-01	2,14E+00	2,06E+00	2,08E+00	2,04E+00	1,94E+01	1,69E+01
1,35E+00	2,67E+00	2,30E+00	2,64E+00	2,26E+00	2,37E+01	1,91E+01
1,99E+00	3,27E+00	2,54E+00	3,24E+00	2,44E+00	2,89E+01	2,16E+01
2,92E+00	3,95E+00	2,75E+00	3,88E+00	2,59E+00	3,50E+01	2,37E+01
4,28E+00	4,71E+00	2,95E+00	4,55E+00	2,72E+00	4,21E+01	2,53E+01
6,28E+00	5,53E+00	3,17E+00	5,27E+00	2,89E+00	5,00E+01	2,62E+01
6,28E+00	5,55E+00	3,18E+00	5,30E+00	2,91E+00	4,96E+01	2,62E+01
9,24E+00	6,33E+00	3,41E+00	5,97E+00	3,11E+00	5,70E+01	2,60E+01
1,35E+01	7,12E+00	3,66E+00	6,66E+00	3,35E+00	6,48E+01	2,47E+01
1,99E+01	7,92E+00	4,02E+00	7,37E+00	3,70E+00	7,22E+01	2,27E+01
2,92E+01	8,73E+00	4,54E+00	8,03E+00	4,25E+00	7,85E+01	1,98E+01
4,28E+01	9,42E+00	5,21E+00	8,69E+00	5,39E+00	8,28E+01	1,72E+01
6,28E+01	1,02E+01	6,37E+00	1,03E+01	6,52E+00	8,53E+01	1,37E+01
6,28E+01	1,01E+01	6,40E+00	1,03E+01	6,26E+00	8,67E+01	1,33E+01
ω (rad·s ⁻¹)	[SDS] = 3,2 g·L ⁻¹		[SDS] = 4,8 g·L ⁻¹		[SDS] = 6,4 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G'' (Pa)	G' (Pa)
6,28E-03	8,52E-02	5,42E-01				
6,28E-03	8,13E-02	5,62E-01			1,82E-04	2,35E-03
1,88E-02	4,26E-01	1,70E+00			9,30E-04	5,72E-03
4,40E-02	1,08E+00	3,22E+00			3,17E-03	1,35E-02
6,28E-02	1,66E+00	4,37E+00			5,21E-03	2,03E-02
6,28E-02	1,65E+00	4,62E+00	5,76E-02	3,25E-01	5,37E-03	2,00E-02
9,24E-02	2,49E+00	5,98E+00	9,59E-02	4,45E-01	8,97E-03	3,19E-02
1,35E-01	3,69E+00	7,86E+00	1,56E-01	6,23E-01	1,24E-02	4,52E-02
1,99E-01	5,42E+00	1,01E+01	2,52E-01	8,65E-01	1,73E-02	6,37E-02
2,92E-01	7,87E+00	1,29E+01	4,09E-01	1,19E+00	2,41E-02	9,02E-02
4,28E-01	1,13E+01	1,58E+01	6,76E-01	1,62E+00	3,42E-02	1,26E-01
6,28E-01	1,58E+01	1,89E+01	1,05E+00	2,07E+00	5,09E-02	1,78E-01
6,28E-01	1,60E+01	1,88E+01	1,09E+00	2,16E+00	5,62E-02	2,00E-01
9,24E-01	2,15E+01	2,16E+01	1,67E+00	2,69E+00	8,43E-02	2,71E-01
1,35E+00	2,80E+01	2,37E+01	2,45E+00	3,20E+00	1,30E-01	3,66E-01
1,99E+00	3,52E+01	2,48E+01	3,42E+00	3,63E+00	2,02E-01	4,93E-01
2,92E+00	4,28E+01	2,45E+01	4,50E+00	3,86E+00	3,09E-01	6,45E-01
4,28E+00	5,01E+01	2,29E+01	5,61E+00	3,93E+00	4,54E-01	8,24E-01
6,28E+00	5,67E+01	2,02E+01	6,66E+00	3,89E+00	6,38E-01	1,04E+00
6,28E+00	5,75E+01	2,05E+01	6,96E+00	4,08E+00	6,49E-01	1,05E+00
9,24E+00	6,25E+01	1,75E+01	7,93E+00	4,03E+00	8,66E-01	1,31E+00
1,35E+01	6,61E+01	1,35E+01	8,84E+00	4,02E+00	1,12E+00	1,62E+00
1,99E+01	6,94E+01	1,20E+01	9,62E+00	4,20E+00	1,44E+00	2,08E+00
2,92E+01	6,63E+01	1,15E+01	1,02E+01	4,60E+00	1,92E+00	2,63E+00
4,28E+01	5,10E+01	1,10E+01	1,06E+01	5,70E+00	2,48E+00	3,15E+00
6,28E+01	5,88E+01	1,41E+01	1,21E+01	7,39E+00	3,20E+00	3,99E+00
6,28E+01	5,25E+01	1,41E+01	1,21E+01	7,42E+00	3,20E+00	4,07E+00

HMHEC 1,25% + SDS; T = 30°C

ω (rad·s ⁻¹)	sin SDS		[SDS] = 0,08 g·L ⁻¹		[SDS] = 0,32 g·L ⁻¹		[SDS] = 0,64 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,00E-02	1,80E-01	5,20E-02	2,00E-01	3,94E-01	1,12E+00	1,01E+00	2,04E+00
6,28E-03	2,00E-02	1,80E-01	5,20E-02	2,00E-01	3,94E-01	1,12E+00	1,01E+00	2,04E+00
1,88E-02	1,63E-01	4,30E-01	1,84E-01	4,96E-01	1,07E+00	2,09E+00	2,45E+00	3,63E+00
4,40E-02	3,79E-01	7,96E-01	4,14E-01	8,71E-01	2,23E+00	3,40E+00	4,36E+00	5,27E+00
6,28E-02	5,66E-01	1,06E+00	6,23E-01	1,15E+00	3,11E+00	4,22E+00	5,66E+00	6,24E+00
6,28E-02	6,12E-01	1,13E+00	7,20E-01	1,29E+00	3,21E+00	4,38E+00	5,77E+00	6,31E+00
9,24E-02	8,60E-01	1,46E+00	9,71E-01	1,55E+00	4,24E+00	5,27E+00	7,28E+00	7,41E+00
1,35E-01	1,19E+00	1,84E+00	1,35E+00	1,93E+00	5,54E+00	6,28E+00	9,04E+00	8,63E+00
1,99E-01	1,63E+00	2,30E+00	1,83E+00	2,35E+00	7,08E+00	7,39E+00	1,12E+01	1,01E+01
2,92E-01	2,20E+00	2,82E+00	2,41E+00	2,80E+00	8,96E+00	8,64E+00	1,37E+01	1,16E+01
4,28E-01	2,91E+00	3,40E+00	3,13E+00	3,27E+00	1,11E+01	9,98E+00	1,66E+01	1,33E+01
6,28E-01	3,76E+00	4,01E+00	3,97E+00	3,80E+00	1,35E+01	1,15E+01	1,98E+01	1,53E+01
6,28E-01	3,91E+00	4,14E+00	4,25E+00	3,97E+00	1,36E+01	1,15E+01	2,00E+01	1,54E+01
9,24E-01	4,97E+00	4,80E+00	5,13E+00	4,46E+00	1,64E+01	1,31E+01	2,36E+01	1,75E+01
1,35E+00	6,21E+00	5,45E+00	6,22E+00	5,02E+00	1,95E+01	1,50E+01	2,79E+01	1,98E+01
1,99E+00	7,64E+00	6,09E+00	7,44E+00	5,61E+00	2,31E+01	1,69E+01	3,28E+01	2,24E+01
2,92E+00	9,21E+00	6,65E+00	8,77E+00	6,18E+00	2,73E+01	1,90E+01	3,83E+01	2,50E+01
4,28E+00	1,10E+01	7,17E+00	1,02E+01	6,78E+00	3,21E+01	2,12E+01	4,47E+01	2,76E+01
6,28E+00	1,28E+01	7,69E+00	1,17E+01	7,49E+00	3,75E+01	2,36E+01	5,17E+01	3,05E+01
6,28E+00	1,30E+01	7,80E+00	1,20E+01	7,66E+00	3,85E+01	2,44E+01	5,23E+01	3,10E+01
9,24E+00	1,48E+01	8,39E+00	1,34E+01	8,60E+00	4,43E+01	2,72E+01	6,00E+01	3,42E+01
1,35E+01	1,67E+01	9,05E+00	1,49E+01	9,95E+00	5,07E+01	3,03E+01	6,85E+01	3,76E+01
1,99E+01	1,83E+01	1,00E+01	1,66E+01	1,23E+01	5,71E+01	3,41E+01	7,78E+01	4,16E+01
2,92E+01	1,98E+01	1,17E+01	2,08E+01	1,58E+01	6,31E+01	4,01E+01	8,74E+01	4,64E+01
4,28E+01	1,94E+01	1,42E+01	2,10E+01	1,47E+01	6,37E+01	4,61E+01	9,63E+01	5,22E+01
6,28E+01	1,90E+01	2,03E+01	2,11E+01	2,00E+01	6,79E+01	5,40E+01	1,04E+02	6,01E+01
6,28E+01	1,90E+01	2,03E+01	2,11E+01	2,00E+01	6,75E+01	5,40E+01	1,04E+02	6,10E+01
ω (rad·s ⁻¹)	[SDS] = 0,96 g·L ⁻¹		[SDS] = 1,28 g·L ⁻¹		[SDS] = 1,6 g·L ⁻¹		[SDS] = 3,2 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	2,69E+00	4,50E+00	3,50E+00	6,00E+00	2,27E+00	4,34E+00	7,00E-01	2,62E+00
6,28E-03	2,69E+00	4,50E+00	3,50E+00	6,00E+00	2,27E+00	4,34E+00	7,00E-01	2,62E+00
1,88E-02	5,49E+00	7,31E+00	7,62E+00	9,75E+00	4,83E+00	7,22E+00	1,90E+00	4,84E+00
4,40E-02	9,62E+00	1,08E+01	1,30E+01	1,42E+01	8,54E+00	1,10E+01	3,92E+00	8,36E+00
6,28E-02	1,25E+01	1,30E+01	1,66E+01	1,70E+01	1,14E+01	1,37E+01	5,71E+00	1,12E+01
6,28E-02	1,28E+01	1,32E+01	1,69E+01	1,72E+01	1,14E+01	1,37E+01	5,71E+00	1,12E+01
9,24E-02	1,61E+01	1,56E+01	2,12E+01	2,03E+01	1,53E+01	1,72E+01	8,46E+00	1,50E+01
1,35E-01	2,00E+01	1,83E+01	2,62E+01	2,37E+01	1,96E+01	2,07E+01	1,17E+01	1,89E+01
1,99E-01	2,46E+01	2,12E+01	3,20E+01	2,75E+01	2,45E+01	2,45E+01	1,61E+01	2,39E+01
2,92E-01	2,98E+01	2,44E+01	3,89E+01	3,16E+01	3,05E+01	2,89E+01	2,25E+01	2,94E+01
4,28E-01	3,57E+01	2,79E+01	4,65E+01	3,61E+01	3,82E+01	3,34E+01	3,05E+01	3,52E+01
6,28E-01	4,30E+01	3,18E+01	5,57E+01	4,09E+01	4,71E+01	3,86E+01	4,02E+01	4,08E+01
6,28E-01	4,39E+01	3,25E+01	5,67E+01	4,15E+01	5,01E+01	4,02E+01	4,27E+01	4,27E+01
9,24E-01	5,18E+01	3,67E+01	6,70E+01	4,68E+01	5,93E+01	4,51E+01	5,43E+01	4,73E+01
1,35E+00	6,07E+01	4,11E+01	7,85E+01	5,23E+01	7,10E+01	5,02E+01	6,83E+01	5,09E+01
1,99E+00	7,11E+01	4,61E+01	9,17E+01	5,82E+01	8,41E+01	5,53E+01	8,38E+01	5,24E+01
2,92E+00	8,26E+01	5,07E+01	1,07E+02	6,39E+01	9,94E+01	5,97E+01	9,98E+01	5,12E+01
4,28E+00	9,59E+01	5,56E+01	1,24E+02	6,94E+01	1,16E+02	6,30E+01	1,15E+02	4,71E+01
6,28E+00	1,10E+02	6,06E+01	1,42E+02	7,47E+01	1,34E+02	6,51E+01	1,30E+02	4,06E+01
6,28E+00	1,11E+02	6,11E+01	1,43E+02	7,52E+01	1,36E+02	6,61E+01	1,31E+02	4,08E+01
9,24E+00	1,27E+02	6,65E+01	1,65E+02	8,02E+01	1,56E+02	6,62E+01	1,42E+02	3,17E+01
1,35E+01	1,45E+02	7,18E+01	1,88E+02	8,30E+01	1,77E+02	6,16E+01	1,45E+02	2,43E+01
1,99E+01	1,65E+02	7,70E+01	2,14E+02	8,47E+01	1,92E+02	5,10E+01	1,45E+02	2,02E+01
2,92E+01	1,86E+02	8,30E+01	2,39E+02	8,29E+01	1,94E+02	4,87E+01	1,29E+02	2,22E+01
4,28E+01	2,07E+02	8,75E+01	2,60E+02	7,92E+01	1,94E+02	7,10E+01	1,52E+02	5,57E+01
6,28E+01	2,26E+02	8,88E+01	2,75E+02	6,84E+01	2,51E+02	7,85E+01	1,54E+02	1,06E+02
6,28E+01	2,27E+02	8,98E+01	2,77E+02	6,82E+01	2,48E+02	7,58E+01	1,54E+02	1,06E+02

HMHEC 1,25% + SDS; T = 30°C (continuación)

ω (rad·s ⁻¹)	[SDS] = 4,8 g·L ⁻¹		[SDS] = 6,4 g·L ⁻¹		[SDS] = 8 g·L ⁻¹		[SDS] = 9,6 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	5,25E-02	4,01E-01	1,25E-02	8,37E-02	4,16E-04	5,28E-03	5,20E-05	1,74E-03
6,28E-03	5,25E-02	4,01E-01	1,25E-02	8,37E-02	4,16E-04	5,28E-03	5,20E-05	1,74E-03
1,88E-02	1,97E-01	9,79E-01	4,35E-02	2,31E-01	1,94E-03	1,54E-02	2,70E-04	5,11E-03
4,40E-02	4,67E-01	2,05E+00	8,91E-02	4,80E-01	4,87E-03	3,28E-02	9,63E-04	1,17E-02
6,28E-02	7,98E-01	2,90E+00	1,16E-01	6,24E-01	7,66E-03	4,90E-02	1,64E-03	1,66E-02
6,28E-02	7,98E-01	2,90E+00	1,16E-01	6,24E-01	8,74E-03	5,33E-02	1,64E-03	1,66E-02
9,24E-02	1,21E+00	4,00E+00	1,92E-01	8,04E-01	1,28E-02	7,48E-02	2,93E-03	2,43E-02
1,35E-01	1,92E+00	5,46E+00	2,57E-01	1,06E+00	1,96E-02	1,08E-01	5,18E-03	3,52E-02
1,99E-01	3,18E+00	7,08E+00	4,41E-01	1,51E+00	2,89E-02	1,53E-01	9,24E-03	5,14E-02
2,92E-01	4,81E+00	9,10E+00	7,13E-01	2,08E+00	4,61E-02	2,19E-01	1,64E-02	7,49E-02
4,28E-01	7,83E+00	1,23E+01	1,24E+00	2,82E+00	7,45E-02	3,10E-01	2,70E-02	1,09E-01
6,28E-01	1,09E+01	1,43E+01	1,79E+00	3,54E+00	1,20E-01	4,24E-01	4,50E-02	1,50E-01
6,28E-01	1,09E+01	1,47E+01	1,71E+00	3,26E+00	1,36E-01	4,82E-01	4,50E-02	1,63E-01
9,24E-01	1,52E+01	1,70E+01	2,57E+00	3,99E+00	2,22E-01	6,50E-01	6,95E-02	2,22E-01
1,35E+00	2,06E+01	1,88E+01	3,68E+00	4,71E+00	3,51E-01	8,57E-01	9,79E-02	3,05E-01
1,99E+00	2,64E+01	1,97E+01	5,02E+00	5,28E+00	5,43E-01	1,11E+00	1,43E-01	4,16E-01
2,92E+00	3,19E+01	1,93E+01	6,41E+00	5,60E+00	8,15E-01	1,39E+00	2,16E-01	5,66E-01
4,28E+00	3,65E+01	1,79E+01	7,79E+00	5,73E+00	1,15E+00	1,68E+00	3,26E-01	7,62E-01
6,28E+00	4,00E+01	1,65E+01	9,01E+00	5,82E+00	1,54E+00	1,99E+00	4,77E-01	1,01E+00
6,28E+00	4,13E+01	1,67E+01	9,08E+00	5,63E+00	1,59E+00	2,06E+00	4,86E-01	1,04E+00
9,24E+00	4,33E+01	1,57E+01	9,94E+00	5,88E+00	2,03E+00	2,45E+00	6,79E-01	1,35E+00
1,35E+01	4,49E+01	1,59E+01	1,07E+01	6,67E+00	2,53E+00	2,92E+00	9,32E-01	1,74E+00
1,99E+01	4,49E+01	2,19E+01	1,27E+01	9,14E+00	3,07E+00	3,58E+00	1,28E+00	2,28E+00
2,92E+01	5,95E+01	2,98E+01	1,71E+01	1,19E+01	3,72E+00	4,49E+00	1,74E+00	3,04E+00
4,28E+01	8,44E+01	4,81E+01	2,26E+01	1,59E+01	4,56E+00	5,70E+00	2,13E+00	3,83E+00
6,28E+01	1,20E+02	8,50E+01	3,08E+01	2,21E+01	5,75E+00	7,23E+00	2,80E+00	5,32E+00
6,28E+01	1,20E+02	8,50E+01	3,08E+01	2,21E+01	5,75E+00	7,31E+00	2,80E+00	5,15E+00

HMHEC 1,5% + SDS; T = 30°C

ω (rad·s ⁻¹)	sin SDS		[SDS] = 0,08 g·L ⁻¹		[SDS] = 0,32 g·L ⁻¹		[SDS] = 0,64 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	4,27E-02	2,80E-01	9,60E-02	4,00E-01	7,00E-01	1,70E+00	3,36E+00	4,91E+00
6,28E-03	4,27E-02	2,80E-01	9,60E-02	4,00E-01	7,00E-01	1,70E+00	3,36E+00	4,91E+00
1,88E-02	2,23E-01	6,68E-01	3,40E-01	9,06E-01	2,01E+00	3,34E+00	7,46E+00	8,42E+00
4,40E-02	5,16E-01	1,20E+00	7,63E-01	1,59E+00	3,91E+00	5,20E+00	1,22E+01	1,16E+01
6,28E-02	7,27E-01	1,57E+00	1,14E+00	2,11E+00	5,32E+00	6,36E+00	1,54E+01	1,34E+01
6,28E-02	7,27E-01	1,53E+00	1,22E+00	2,30E+00	5,70E+00	6,74E+00	1,56E+01	1,35E+01
9,24E-02	1,02E+00	1,99E+00	1,69E+00	2,81E+00	7,39E+00	7,98E+00	1,90E+01	1,54E+01
1,35E-01	1,45E+00	2,52E+00	2,35E+00	3,49E+00	9,40E+00	9,30E+00	2,30E+01	1,75E+01
1,99E-01	2,02E+00	3,15E+00	3,23E+00	4,27E+00	1,18E+01	1,07E+01	2,73E+01	1,96E+01
2,92E-01	2,75E+00	3,88E+00	4,35E+00	5,10E+00	1,46E+01	1,23E+01	3,21E+01	2,19E+01
4,28E-01	3,67E+00	4,75E+00	5,72E+00	5,92E+00	1,77E+01	1,39E+01	3,76E+01	2,44E+01
6,28E-01	4,90E+00	5,80E+00	7,33E+00	6,74E+00	2,10E+01	1,57E+01	4,36E+01	2,71E+01
6,28E-01	5,07E+00	5,98E+00	7,71E+00	7,01E+00	2,15E+01	1,59E+01	4,50E+01	2,80E+01
9,24E-01	6,68E+00	6,99E+00	9,42E+00	7,69E+00	2,53E+01	1,79E+01	5,18E+01	3,11E+01
1,35E+00	8,45E+00	7,92E+00	1,14E+01	8,31E+00	2,97E+01	2,01E+01	5,94E+01	3,44E+01
1,99E+00	1,06E+01	8,93E+00	1,36E+01	8,89E+00	3,47E+01	2,25E+01	6,77E+01	3,79E+01
2,92E+00	1,29E+01	9,82E+00	1,58E+01	9,34E+00	4,02E+01	2,49E+01	7,72E+01	4,14E+01
4,28E+00	1,54E+01	1,05E+01	1,80E+01	9,77E+00	4,64E+01	2,72E+01	8,76E+01	4,49E+01
6,28E+00	1,81E+01	1,13E+01	2,02E+01	1,03E+01	5,31E+01	2,98E+01	9,89E+01	4,87E+01
6,28E+00	1,85E+01	1,16E+01	2,06E+01	1,05E+01	5,40E+01	3,05E+01	9,96E+01	4,90E+01
9,24E+00	2,12E+01	1,25E+01	2,25E+01	1,13E+01	6,17E+01	3,36E+01	1,12E+02	5,34E+01
1,35E+01	2,40E+01	1,35E+01	2,45E+01	1,26E+01	7,02E+01	3,67E+01	1,25E+02	5,78E+01
1,99E+01	2,66E+01	1,50E+01	2,61E+01	1,50E+01	7,92E+01	4,05E+01	1,39E+02	6,37E+01
2,92E+01	2,85E+01	1,72E+01	2,85E+01	1,86E+01	8,84E+01	4,50E+01	1,53E+02	7,12E+01
4,28E+01	2,94E+01	2,00E+01	3,02E+01	2,22E+01	9,63E+01	5,07E+01	1,63E+02	8,12E+01
6,28E+01	2,87E+01	2,58E+01	3,02E+01	3,00E+01	1,03E+02	5,85E+01	1,65E+02	9,65E+01
6,28E+01	2,97E+01	2,69E+01	3,02E+01	3,00E+01	1,02E+02	5,89E+01	1,65E+02	9,65E+01
ω (rad·s ⁻¹)	[SDS] = 0,96 g·L ⁻¹		[SDS] = 1,28 g·L ⁻¹		[SDS] = 1,6 g·L ⁻¹			
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)		
6,28E-03	3,94E+00	6,42E+00	7,81E+00	1,07E+01				
6,28E-03	3,94E+00	6,42E+00	7,81E+00	1,07E+01	4,85E+00	8,99E+00		
1,88E-02	8,75E+00	1,09E+01	1,62E+01	1,74E+01	8,58E+00	1,19E+01		
4,40E-02	1,48E+01	1,56E+01	2,62E+01	2,41E+01	1,46E+01	1,75E+01		
6,28E-02	1,88E+01	1,83E+01	3,25E+01	2,81E+01	1,91E+01	2,13E+01		
6,28E-02	1,96E+01	1,89E+01	3,36E+01	2,88E+01	2,09E+01	2,30E+01		
9,24E-02	2,41E+01	2,20E+01	4,10E+01	3,34E+01	2,51E+01	2,62E+01		
1,35E-01	2,96E+01	2,54E+01	4,90E+01	3,81E+01	3,13E+01	3,09E+01		
1,99E-01	3,60E+01	2,92E+01	5,90E+01	4,37E+01	3,89E+01	3,63E+01		
2,92E-01	4,31E+01	3,33E+01	6,97E+01	4,93E+01	4,77E+01	4,24E+01		
4,28E-01	5,14E+01	3,76E+01	8,21E+01	5,52E+01	5,87E+01	4,82E+01		
6,28E-01	6,08E+01	4,23E+01	9,57E+01	6,15E+01	7,14E+01	5,51E+01		
6,28E-01	6,32E+01	4,40E+01	9,81E+01	6,30E+01	7,48E+01	5,65E+01		
9,24E-01	7,40E+01	4,94E+01	1,13E+02	7,00E+01	8,79E+01	6,32E+01		
1,35E+00	8,61E+01	5,50E+01	1,31E+02	7,76E+01	1,04E+02	7,01E+01		
1,99E+00	9,98E+01	6,11E+01	1,51E+02	8,60E+01	1,23E+02	7,69E+01		
2,92E+00	1,15E+02	6,69E+01	1,73E+02	9,37E+01	1,43E+02	8,28E+01		
4,28E+00	1,32E+02	7,29E+01	1,97E+02	1,01E+02	1,67E+02	8,79E+01		
6,28E+00	1,51E+02	7,91E+01	2,23E+02	1,09E+02	1,92E+02	9,14E+01		
6,28E+00	1,52E+02	7,96E+01	2,27E+02	1,11E+02	1,95E+02	9,26E+01		
9,24E+00	1,72E+02	8,66E+01	2,56E+02	1,19E+02	2,22E+02	9,35E+01		
1,35E+01	1,94E+02	9,36E+01	2,90E+02	1,25E+02	2,53E+02	8,86E+01		
1,99E+01	2,19E+02	1,02E+02	3,26E+02	1,31E+02	2,75E+02	8,21E+01		
2,92E+01	2,45E+02	1,12E+02	3,63E+02	1,33E+02	2,88E+02	6,76E+01		
4,28E+01	2,68E+02	1,22E+02	3,94E+02	1,32E+02	2,79E+02	7,01E+01		
6,28E+01	2,91E+02	1,36E+02	4,12E+02	1,30E+02	3,13E+02	1,13E+02		
6,28E+01	2,91E+02	1,39E+02	4,14E+02	1,33E+02	3,14E+02	1,15E+02		

HMHEC 1,5% + SDS; T = 30°C (continuación)

ω (rad·s ⁻¹)	[SDS] = 3,2 g·L ⁻¹		[SDS] = 4,8 g·L ⁻¹		[SDS] = 6,4 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-03	1,92E+00	4,85E+00			1,24E-01	6,15E-01
6,28E-03	1,92E+00	4,85E+00	5,78E-01	2,17E+00	1,24E-01	6,15E-01
1,88E-02	5,13E+00	9,62E+00	1,20E+00	3,68E+00	3,69E-01	1,45E+00
4,40E-02	9,96E+00	1,60E+01	2,62E+00	6,64E+00	8,78E-01	2,75E+00
6,28E-02	1,43E+01	2,10E+01	3,87E+00	8,94E+00	1,36E+00	3,84E+00
6,28E-02	1,56E+01	2,30E+01	3,90E+00	9,47E+00	1,36E+00	4,04E+00
9,24E-02	2,01E+01	2,75E+01	5,60E+00	1,20E+01	2,05E+00	5,25E+00
1,35E-01	2,67E+01	3,41E+01	8,09E+00	1,56E+01	3,08E+00	7,00E+00
1,99E-01	3,47E+01	4,10E+01	1,12E+01	1,97E+01	4,56E+00	9,15E+00
2,92E-01	4,46E+01	4,91E+01	1,64E+01	2,51E+01	6,68E+00	1,17E+01
4,28E-01	5,93E+01	5,74E+01	2,33E+01	3,07E+01	9,72E+00	1,45E+01
6,28E-01	7,63E+01	6,58E+01	3,23E+01	3,65E+01	1,39E+01	1,76E+01
6,28E-01	7,97E+01	6,77E+01	3,40E+01	3,82E+01	1,44E+01	1,81E+01
9,24E-01	9,78E+01	7,42E+01	4,45E+01	4,27E+01	1,95E+01	2,07E+01
1,35E+00	1,19E+02	7,88E+01	5,73E+01	4,60E+01	2,58E+01	2,27E+01
1,99E+00	1,43E+02	8,09E+01	7,15E+01	4,73E+01	3,27E+01	2,37E+01
2,92E+00	1,67E+02	7,90E+01	8,56E+01	4,59E+01	3,98E+01	2,33E+01
4,28E+00	1,92E+02	7,26E+01	9,85E+01	4,18E+01	4,67E+01	2,20E+01
6,28E+00	2,14E+02	6,30E+01	1,10E+02	3,64E+01	5,25E+01	1,98E+01
6,28E+00	2,17E+02	6,36E+01	1,11E+02	3,67E+01	5,35E+01	2,02E+01
9,24E+00	2,35E+02	5,04E+01	1,19E+02	3,04E+01	5,80E+01	1,77E+01
1,35E+01	2,46E+02	3,44E+01	1,25E+02	2,29E+01	6,20E+01	1,47E+01
1,99E+01	2,48E+02	1,40E+01	1,24E+02	1,97E+01	6,27E+01	1,29E+01
2,92E+01	2,39E+02	1,60E+01	1,14E+02	3,50E+01	6,04E+01	1,44E+01
4,28E+01	2,09E+02	3,63E+01	1,34E+02	5,72E+01	6,36E+01	2,63E+01
6,28E+01	2,77E+02	6,96E+01	1,62E+02	1,00E+02	8,09E+01	5,12E+01
6,28E+01	2,77E+02	7,02E+01	1,62E+02	1,00E+02	8,12E+01	5,12E+01
ω (rad·s ⁻¹)	[SDS] = 8 g·L ⁻¹		[SDS] = 9,6 g·L ⁻¹		[SDS] = 11,2 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G'' (Pa)	G' (Pa)
6,28E-03	1,20E-02	1,62E-01				
6,28E-03	1,20E-02	1,62E-01				
1,88E-02	6,12E-02	4,28E-01				
4,40E-02	1,80E-01	8,72E-01				
6,28E-02	2,76E-01	1,21E+00				
6,28E-02	2,76E-01	1,21E+00	8,51E-03	1,14E-01	1,32E-03	2,57E-02
9,24E-02	4,32E-01	1,64E+00	1,72E-02	1,69E-01	2,38E-03	3,78E-02
1,35E-01	7,03E-01	2,26E+00	3,18E-02	2,41E-01	4,24E-03	5,53E-02
1,99E-01	1,11E+00	3,03E+00	5,86E-02	3,43E-01	7,64E-03	8,15E-02
2,92E-01	1,75E+00	4,04E+00	1,04E-01	4,83E-01	1,37E-02	1,20E-01
4,28E-01	2,75E+00	5,23E+00	1,82E-01	6,69E-01	2,45E-02	1,75E-01
6,28E-01	4,15E+00	6,56E+00	3,11E-01	9,10E-01	4,38E-02	2,53E-01
6,28E-01	4,23E+00	6,89E+00	2,99E-01	9,10E-01	4,38E-02	2,53E-01
9,24E-01	6,13E+00	8,22E+00	4,91E-01	1,21E+00	7,60E-02	3,61E-01
1,35E+00	8,54E+00	9,43E+00	7,67E-01	1,54E+00	1,28E-01	4,98E-01
1,99E+00	1,14E+01	1,03E+01	1,14E+00	1,92E+00	2,10E-01	6,78E-01
2,92E+00	1,44E+01	1,07E+01	1,62E+00	2,31E+00	3,31E-01	8,99E-01
4,28E+00	1,72E+01	1,06E+01	2,19E+00	2,72E+00	5,09E-01	1,18E+00
6,28E+00	1,97E+01	1,05E+01	2,85E+00	3,19E+00	7,60E-01	1,57E+00
6,28E+00	2,01E+01	1,08E+01	2,85E+00	3,28E+00	7,60E-01	1,57E+00
9,24E+00	2,21E+01	1,09E+01	3,58E+00	3,85E+00	1,09E+00	2,08E+00
1,35E+01	2,38E+01	1,16E+01	4,40E+00	4,53E+00	1,48E+00	2,64E+00
1,99E+01	2,49E+01	1,36E+01	5,00E+00	5,44E+00	1,95E+00	3,37E+00
2,92E+01	2,73E+01	1,81E+01	6,39E+00	6,61E+00	2,49E+00	4,33E+00
4,28E+01	3,46E+01	1,97E+01	7,54E+00	8,10E+00	3,08E+00	5,60E+00
6,28E+01	3,61E+01	2,52E+01	8,85E+00	1,02E+01	4,00E+00	7,51E+00
6,28E+01	3,61E+01	2,52E+01	8,79E+00	1,02E+01	4,00E+00	7,46E+00

AVI. 2. 2. Viscosidad estacionaria

HMHEC 1% + SDS; T = 30°C

sin SDS		[SDS] = 0,08 g·L ⁻¹		[SDS] = 1,6 g·L ⁻¹		[SDS] = 3,2 g·L ⁻¹	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,07	4,08E+00	0,07	0,07	0,07	1,51E+02	0,07	5,51E+01
0,1	5,35E+00	0,1	0,1	0,1	1,48E+02	0,1	5,37E+01
0,2	5,10E+00	0,2	0,2	0,2	1,32E+02	0,2	5,27E+01
0,5	4,81E+00	0,5	0,5	0,5	8,32E+01	0,5	4,62E+01
1	4,11E+00	1	1	1	5,37E+01	1	2,67E+01
2	3,35E+00	2	2	2	2,95E+01	2	1,86E+01
5	1,95E+00	5	5	5	1,45E+01	5	1,11E+01
10	1,32E+00	10	10	10	8,13E+00	10	6,19E+00
20	8,91E-01	20	20	20	4,47E+00	20	3,17E+00
50	4,62E-01	50	50	50	1,70E+00	50	1,28E+00
100	2,47E-01	100	100	100	7,59E-01	100	5,83E-01
200	1,37E-01	200	200	200	3,72E-01	200	2,94E-01
500	6,74E-02	500	500	500	1,48E-01	500	1,35E-01
1000	4,19E-02	1000	1000	1000	8,13E-02	1000	7,60E-02
2000	2,70E-02	2000	2000	2000	5,13E-02	2000	4,55E-02
3000	2,11E-02	3000	3000	3000	3,63E-02	3000	3,44E-02
4000	1,78E-02	4000	4000	4000	2,82E-02	4000	2,85E-02
		5000	5000	5000	2,45E-02	5000	2,51E-02
[SDS] = 4,8 g·L ⁻¹		[SDS] = 6,4 g·L ⁻¹		[SDS] = 9 g·L ⁻¹		[SDS] = 11,2 g·L ⁻¹	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,07	3,14E+00	0,07	4,74E-01	0,07	7,79E-02	0,07	9,48E-02
0,1	3,05E+00	0,1	4,16E-01	0,1	7,62E-02	0,1	7,72E-02
0,2	2,92E+00	0,2	3,32E-01	0,2	6,46E-02	0,2	5,47E-02
0,5	2,91E+00	0,5	2,96E-01	0,5	6,04E-02	0,5	4,07E-02
1	3,12E+00	1	2,81E-01	1	5,48E-02	1	3,82E-02
2	3,55E+00	2	2,71E-01	2	5,25E-02	2	3,23E-02
5	3,62E+00	5	2,70E-01	5	4,96E-02	5	3,12E-02
10	2,75E+00	10	2,81E-01	10	4,75E-02	10	3,05E-02
20	1,61E+00	20	2,52E-01	20	4,54E-02	20	2,95E-02
50	7,05E-01	50	1,76E-01	50	4,21E-02	50	2,79E-02
100	3,71E-01	100	1,25E-01	100	3,84E-02	100	2,62E-02
200	1,97E-01	200	8,83E-02	200	3,42E-02	200	2,41E-02
500	9,65E-02	500	5,82E-02	500	2,87E-02	500	2,11E-02
1000	6,09E-02	1000	4,22E-02	1000	2,47E-02	1000	1,87E-02
2000	3,98E-02	2000	3,11E-02	2000	2,09E-02	2000	1,64E-02
3000	3,14E-02	3000	2,64E-02	3000	1,86E-02	3000	1,46E-02
4000	2,68E-02	4000	2,35E-02	4000	1,73E-02	4000	1,37E-02
5000	2,39E-02	5000	2,16E-02	5000	1,65E-02	5000	1,31E-02

AVI. 3. HMHEC + NaBr

AVI. 3. 1. Viscoelasticidad lineal

HMHEC 1% + NaBr; T = 30°C

ω (rad·s ⁻¹)	sin NaBr		[NaBr] = 0,34 g·L ⁻¹		[NaBr] = 0,46 g·L ⁻¹		[NaBr] = 1,71 g·L ⁻¹	
	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)	G' (Pa)	G'' (Pa)
6,28E-02	2,51E-01	4,33E-01	2,40E-01	3,41E-01	2,15E-01	3,14E-01	2,27E-01	3,84E-01
9,22E-02	3,55E-01	5,86E-01	3,30E-01	4,83E-01	3,07E-01	4,56E-01	3,24E-01	5,02E-01
1,35E-01	4,93E-01	7,53E-01	4,79E-01	6,46E-01	4,23E-01	5,94E-01	4,39E-01	6,52E-01
1,99E-01	6,77E-01	9,51E-01	6,35E-01	8,37E-01	5,82E-01	7,66E-01	6,03E-01	8,33E-01
2,92E-01	9,11E-01	1,18E+00	8,59E-01	1,06E+00	8,02E-01	9,67E-01	8,30E-01	1,04E+00
4,28E-01	1,21E+00	1,44E+00	1,14E+00	1,30E+00	1,08E+00	1,20E+00	1,12E+00	1,27E+00
6,28E-01	1,64E+00	1,76E+00	1,39E+00	1,57E+00	1,39E+00	1,45E+00	1,36E+00	1,52E+00
9,22E-01	2,14E+00	2,06E+00	1,78E+00	1,84E+00	1,41E+00	1,46E+00	1,44E+00	1,53E+00
1,35E+00	2,67E+00	2,30E+00	2,28E+00	2,10E+00	1,66E+00	1,72E+00	1,69E+00	1,78E+00
1,99E+00	3,27E+00	2,54E+00	2,88E+00	2,34E+00	2,01E+00	1,97E+00	1,97E+00	1,95E+00
2,92E+00	3,95E+00	2,75E+00	3,37E+00	2,57E+00	2,45E+00	2,20E+00	2,49E+00	2,26E+00
4,28E+00	4,71E+00	2,95E+00	4,10E+00	2,77E+00	2,90E+00	2,43E+00	3,49E+00	2,47E+00
6,28E+00	5,55E+00	3,18E+00	4,72E+00	3,03E+00	3,50E+00	2,63E+00	4,10E+00	2,67E+00
9,22E+00	6,33E+00	3,41E+00	5,35E+00	3,27E+00	4,17E+00	2,89E+00	4,65E+00	2,92E+00
1,35E+01	7,12E+00	3,66E+00	5,94E+00	3,63E+00	4,80E+00	3,13E+00	5,45E+00	3,15E+00
1,99E+01	7,92E+00	4,02E+00	6,74E+00	4,03E+00	5,53E+00	3,47E+00	6,17E+00	3,49E+00
2,92E+01	8,73E+00	4,54E+00	7,64E+00	4,51E+00	6,28E+00	3,86E+00	6,85E+00	3,88E+00
4,28E+01	9,42E+00	5,21E+00	8,76E+00	5,10E+00	7,11E+00	4,35E+00	7,91E+00	4,36E+00
6,28E+01	1,02E+01	6,37E+00	1,03E+01	5,76E+00	8,22E+00	4,90E+00	8,46E+00	4,92E+00

AVI. 3. 2. Viscosidad estacionaria

HMHEC 1% + NaBr; T = 30°C

sin NaBr		[NaBr] = 0,34 g·L ⁻¹		[NaBr] = 0,46 g·L ⁻¹		[NaBr] = 1,71 g·L ⁻¹	
$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)	$\dot{\gamma}$ (s ⁻¹)	η (Pa·s)
0,07	4,08E+00	0,07	5,99E+00	0,07	5,69E+00	0,07	6,33E+00
0,1	5,35E+00	0,1	6,15E+00	0,1	5,59E+00	0,1	6,06E+00
0,2	5,10E+00	0,2	5,98E+00	0,2	5,24E+00	0,2	5,91E+00
0,5	4,81E+00	0,5	5,62E+00	0,5	4,94E+00	0,5	5,63E+00
1	4,11E+00	1	5,14E+00	1	4,55E+00	1	5,19E+00
2	3,35E+00	2	3,95E+00	2	3,71E+00	2	3,84E+00
5	2,15E+00	5	2,44E+00	5	2,29E+00	5	2,38E+00
10	1,50E+00	10	1,70E+00	10	1,61E+00	10	1,66E+00
20	9,77E-01	20	1,06E+00	20	1,01E+00	20	1,00E+00
50	4,62E-01	50	4,78E-01	50	4,55E-01	50	4,36E-01
100	2,47E-01	100	2,48E-01	100	2,36E-01	100	2,26E-01
200	1,37E-01	200	1,35E-01	200	1,28E-01	200	1,23E-01
500	6,74E-02	500	6,71E-02	500	6,40E-02	500	6,18E-02
1000	4,19E-02	1000	4,18E-02	1000	3,99E-02	1000	3,88E-02
2000	2,70E-02	2000	2,66E-02	2000	2,54E-02	2000	2,49E-02
3000	2,11E-02	3000	2,06E-02	3000	1,98E-02	3000	1,91E-02
4000	1,78E-02	4000	1,72E-02	4000	1,62E-02	4000	1,58E-02
		5000	1,52E-02	5000	1,40E-02	5000	1,37E-02