

**Electronic Supplementary Information for Soft Matter Paper Ref.: B713144E:
Rheology modification in mixed shape colloidal dispersions. Part II : Mixtures
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Table 3. Kelvin model parameters for creep curves of hectorite/boehmite mixture.

τ [Pa]	$\eta(\tau)$ [Pas]	$\dot{\gamma}$ [s^{-1}]	λ_1 [s]	λ_2 [s]	γ_e	G_e [Pa]	γ_1	γ_2
0.05	1307	3.8E-05	31.6	1.8	0.0180	2.8	0.0097	0.0038
0.1	3068	3.3E-05	39.9	2.8	0.0188	5.3	0.0106	0.0034
0.5	13712	3.6E-05	49.6	5.1	0.0224	22.3	0.0219	0.0048
1	26071	3.8E-05	57.6	7.3	0.0272	36.8	0.0304	0.0061
2	37235	5.4E-05	58.4	9.2	0.0381	52.5	0.0427	0.0088
3	40479	7.4E-05	54.1	7.8	0.0488	61.5	0.0558	0.0121
4	35092	1.1E-04	47.6	7.6	0.0668	59.9	0.0654	0.0186
4.5	36560	1.2E-04	47.1	6.3	0.0780	57.7	0.0746	0.0235
5	31669	1.6E-04	41.6	5.3	0.089	56.2	0.0748	0.0263
5.5	28831	1.9E-04	38.0	4.8	0.0995	55.3	0.0987	0.0321
6	32980	1.8E-04	39.3	5.1	0.0944	63.6	0.1199	0.0321
7	30005	2.3E-04	35.3	4.2	0.1154	60.7	0.1450	0.0425
8	26846	3.0E-04	31.1	3.5	0.1375	58.2	0.1751	0.0572
9	25277	3.6E-04	28.0	2.9	0.1604	56.1	0.0746	0.0746
10	24147	4.1E-04	26.1	2.5	0.1885	53.1	0.0992	0.0992

Table 4. Creep analysis for 2.8% Hectorite + 0.25% Ludox CL mixture

τ [Pa]	G_e [Pa]	$\eta(\tau)$ [Pa s]	J_1 [Pa^{-1}]	λ_1 [s]	J_2 [Pa^{-1}]	λ_2 [s]
15	7423.9	1.5230e+06	0.0001536	6.739	0.0005097	103.6
16	6915.6	1.4140e+06	0.0001494	5.656	0.0005205	95.21
30	2686.7	8.5220e+05	0.0002556	7.451	0.0009552	101.55
40	2371.4	1.0280e+06	0.0002376	7.615	0.0008611	100.63
50	1920.3	7.8025e+05	0.0003464	7.080	0.0013075	90.719
60	1956.2	7.1063e+05	0.0004599	8.2498	0.0015480	88.79
70	347.46	1.4353e+05	0.003152	8.5833	0.0091108	77.575
71	—	1.117	—	—	—	—
72	—	1.100	—	—	—	—
75	—	0.830	—	—	—	—
80	—	0.681	—	—	—	—