

Supporting Information

Structure and anomalous underscreening in ethylammonium nitrate solutions confined between two mica surfaces

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Table 1 Parameters correspond to different volume fractions of EAN.

EAN volume fraction	n_i^b (ions/m ³)	ϵ_r	a (nm)	λ_D (nm)	λ_s (nm)	λ_s/λ_D	a/ λ_D
1	6.73x10 ²⁷	26.2	0.42	0.07	7.6	5.7	103.1
0.9	5.96 x10 ²⁷	29.6	0.42	0.08	7.3	5.1	87.7
0.8	5.21 x10 ²⁷	33.4	0.43	0.09	7.1	4.5	75.1
0.7	4.48 x10 ²⁷	37.7	0.43	0.11	3.9	3.9	36.0
0.1	5.70 x10 ²⁷	71.7	0.44	0.42	0.8	1.1	1.9

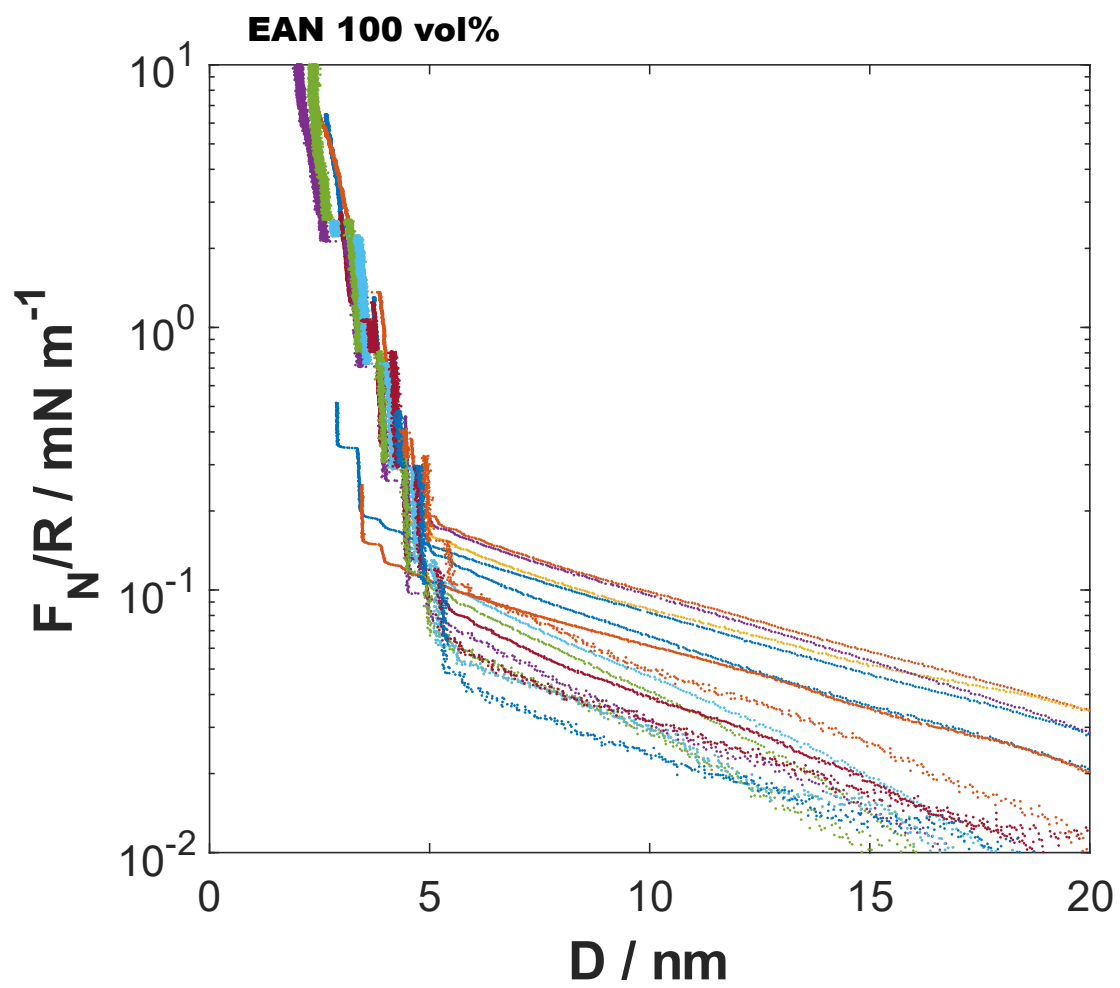


Figure S1 Force measurements across 100 vol% EAN between mica sheets. Force profiles obtained from 3 different experiments with different mica sheets.

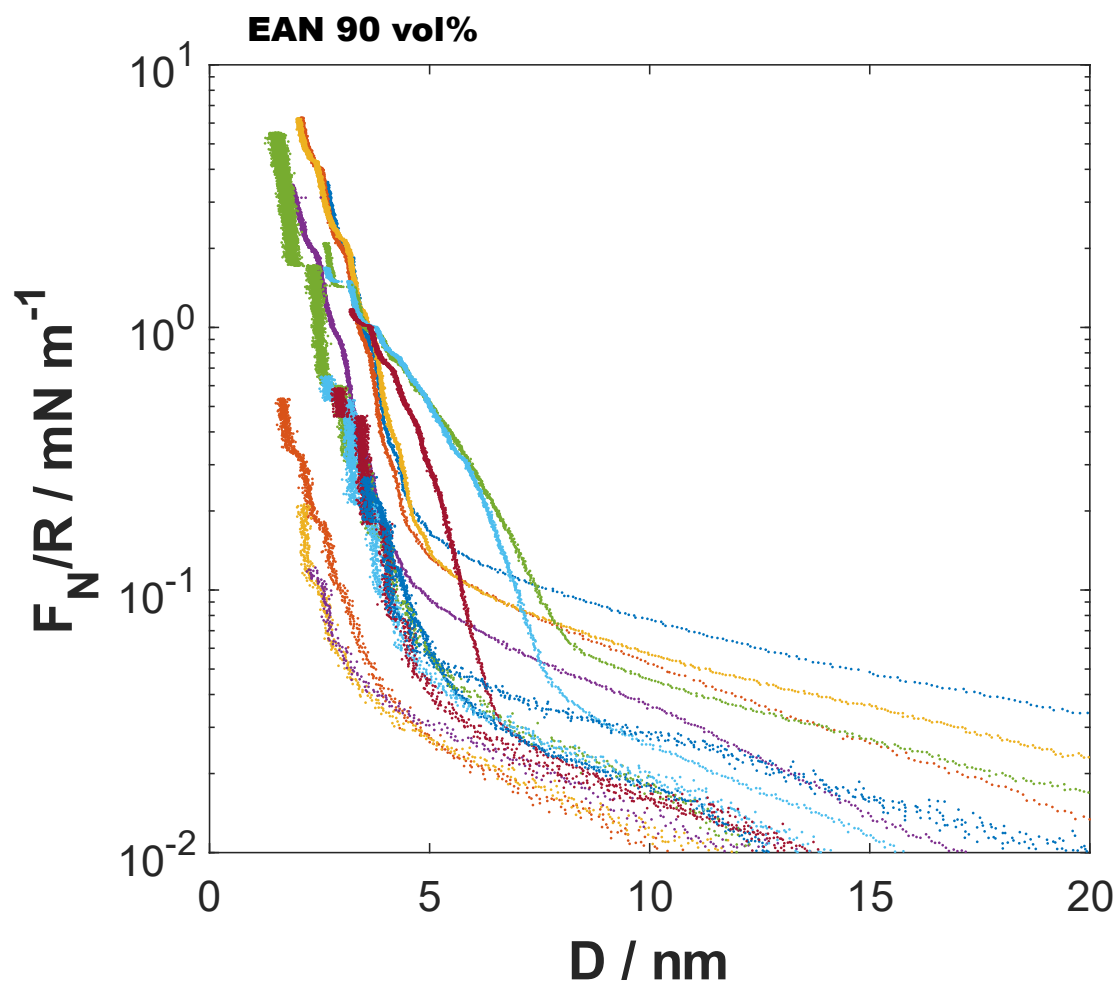


Figure S2 Force measurements across 90 vol% EAN between mica sheets. Force profiles obtained from 3 different experiments with different mica sheets.