

Description of Additional Supplementary Files

Supplementary Movie1:

100 fps Movie; constructed using POM images obtained during the rheo-POM measurement of 39 wt% CTAT + Water at 30° C with $d = 150 \mu\text{m}$ and $\sigma = 2 \text{ Pa}$ (Left panel). Right panel is the corresponding binary version for better visibility.

Supplementary Movie2:

100 fps Movie; with no shear condition.