

## Supporting Information

# Shear-induced structuring for multiple parallel gel filaments obtained from casein-alginate hybrids

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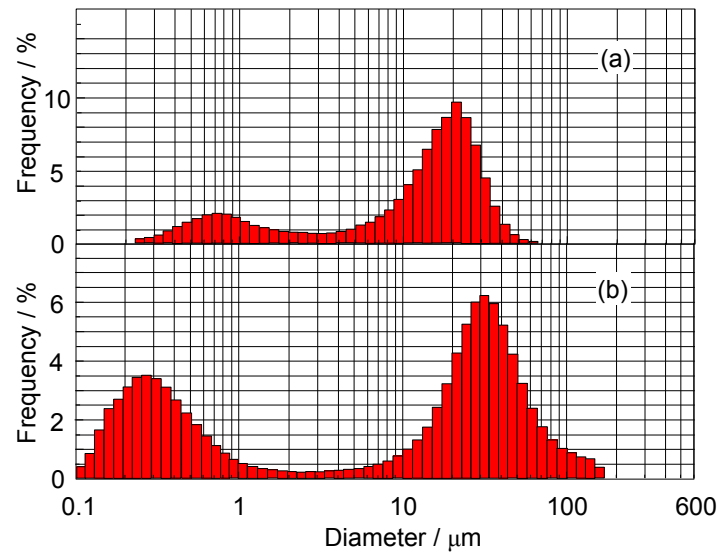
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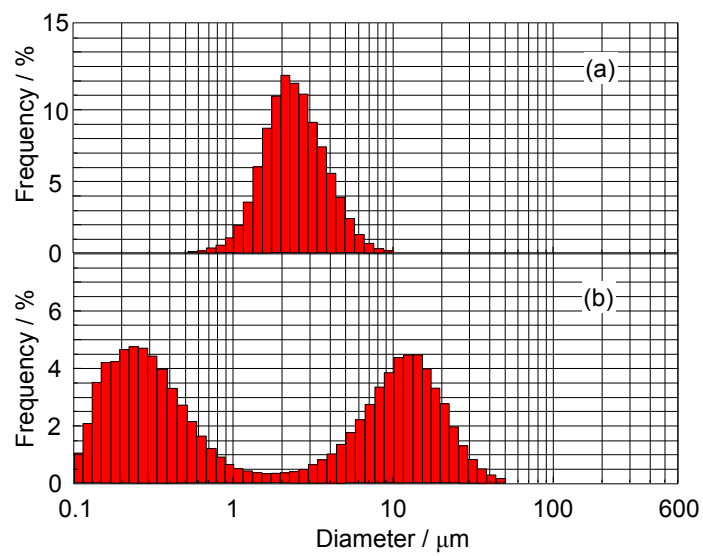
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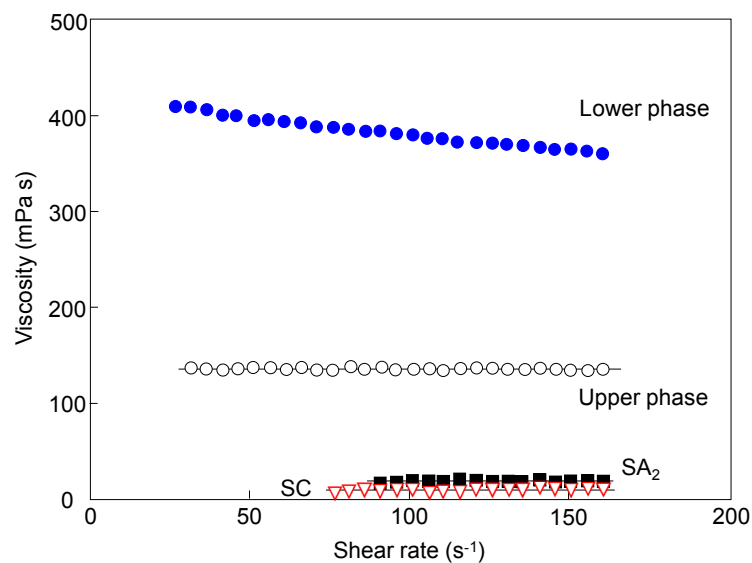
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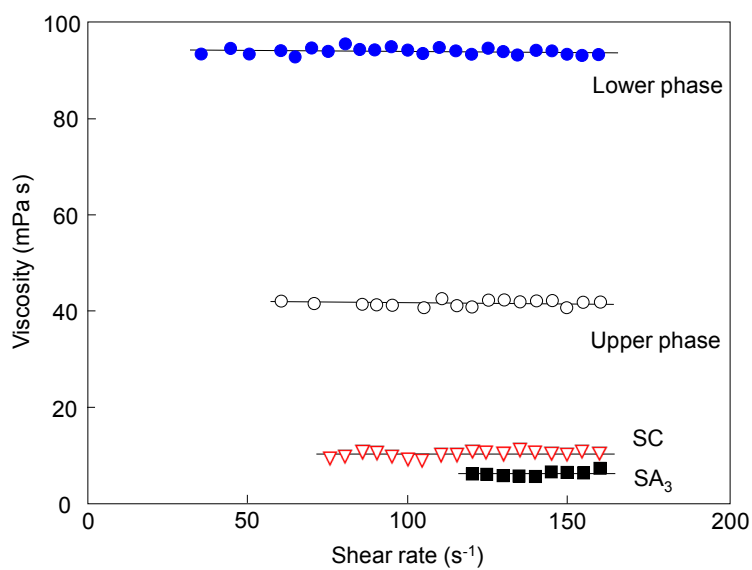
**Figure S1.** Laser diffraction analysis of (a) SA<sub>2</sub> (1.0 wt %) and (b) SC (0.75 wt %)/SA<sub>2</sub> (0.1 wt %).



**Figure S2.** Laser diffraction analysis of (a) SA<sub>3</sub> (1.0 wt %) and (b) SC (0.75 wt %)/SA<sub>3</sub> (0.1 wt %).



**Figure S3.** Shear-rate dependence of viscosity for SC (7.5 wt %), SA<sub>2</sub> (1.0 wt %), and upper and lower phases of SC (7.5 wt %)/SA<sub>2</sub> (1.0 wt %) blend separated by centrifugation.



**Figure S4.** Shear-rate dependence of viscosity for SC (7.5 wt %), SA<sub>3</sub> (1.0 wt %), and upper and lower phases of SC (7.5 wt %)/SA<sub>3</sub> (1.0 wt %) blend separated by centrifugation.

Table S1 Apparent weight-average molar mass ( $M_w$ ) and weight-average mean square radius ( $R_w$ ) determined by SEC-MALS measurements.

	$M_w$	$R_w$ (nm)
SC	$1.5 \times 10^7$	57
SA <sub>2</sub>	$7.1 \times 10^6$	93
upper phase (SC/SA <sub>2</sub> )	$9.4 \times 10^6$	94
lower phase (SC/SA <sub>2</sub> )	$4.5 \times 10^6$	68
SA <sub>3</sub>	$4.3 \times 10^6$	87
upper phase (SC/SA <sub>3</sub> )	$4.7 \times 10^6$	90
lower phase (SC/SA <sub>3</sub> )	$2.9 \times 10^6$	67