The Effect of Arm Exchange on the Liquid-Solid Transition of Dense Suspensions of Star Polymers

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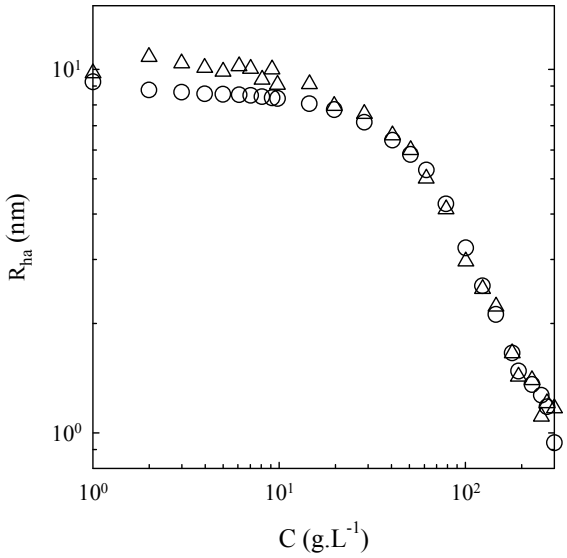

Figure S1. Concentration dependence of the apparent hydrodynamic radius for PEO-*b*-PMEA micelles (circles), and in situ cross-linked star polymers (triangles).

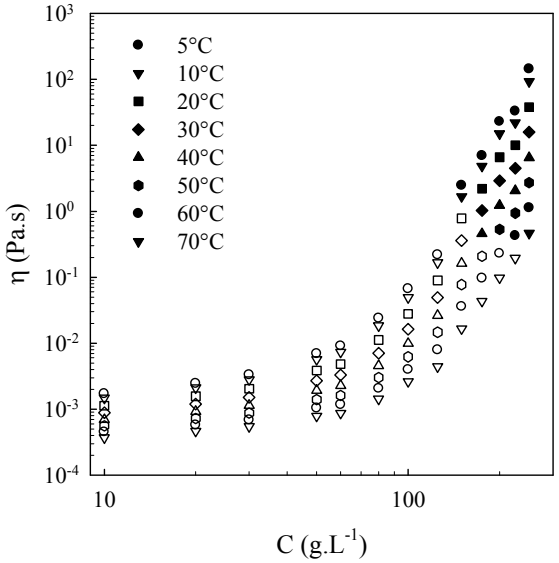

Figure S2. Concentration dependence of the viscosity for cross-linked PEO-*b*-PMEA stars at different temperatures indicated in the figure.

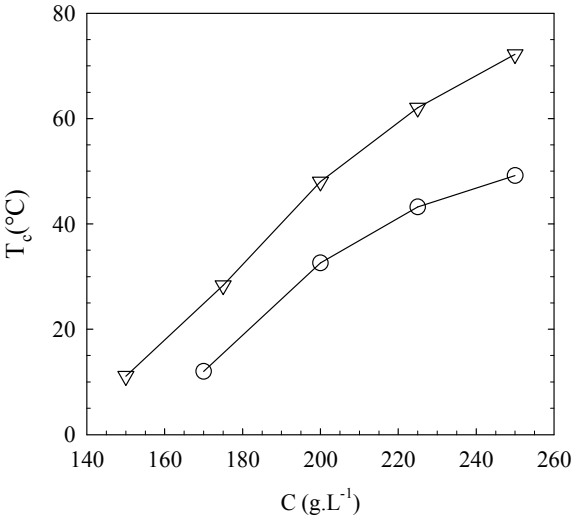

Figure S3. Concentration dependence of the temperature at which the viscosity diverges during cooling for star polymer suspensions before and after in-situ cross-linking.

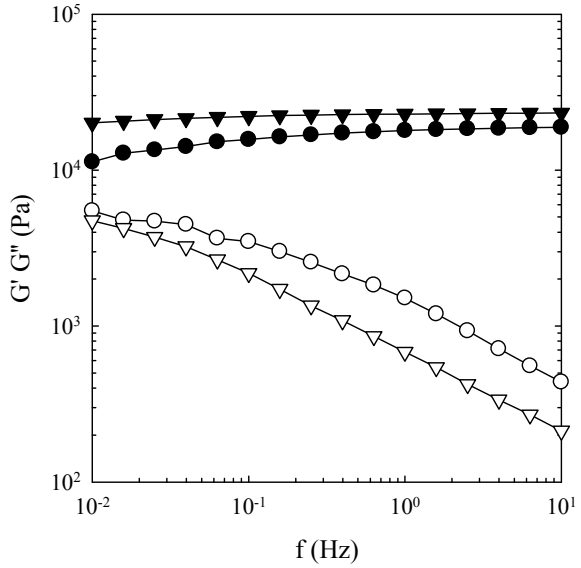

Figure S4. Frequency dependence of the elastic modulus (filled symbols) and loss modulus (open symbols) of PEO-b-PMEA star polymers before (circles) and after cross-linking (triangles).

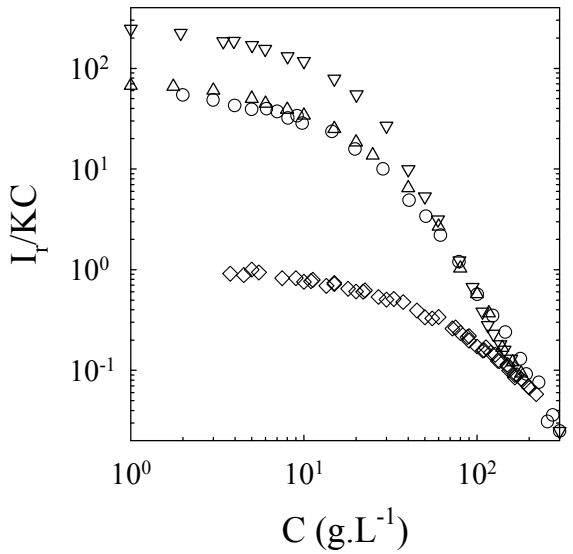

Figure S5. Concentration dependence of the ratio I_r/KC for the linear PEO precursor (diamonds), PEO-*b*-PMEA star polymers in-situ cross-linking at 10 g.L^{-1} (f=51) (triangles up), 50 g.L^{-1} (f=54) (circles) and 300 g.L^{-1} (f=246) (triangles down)