

Supplementary Information

A Temperature-Responsive Poly (vinyl alcohol) Gel for Controlling Fluidity of an Inorganic Phase Change Material

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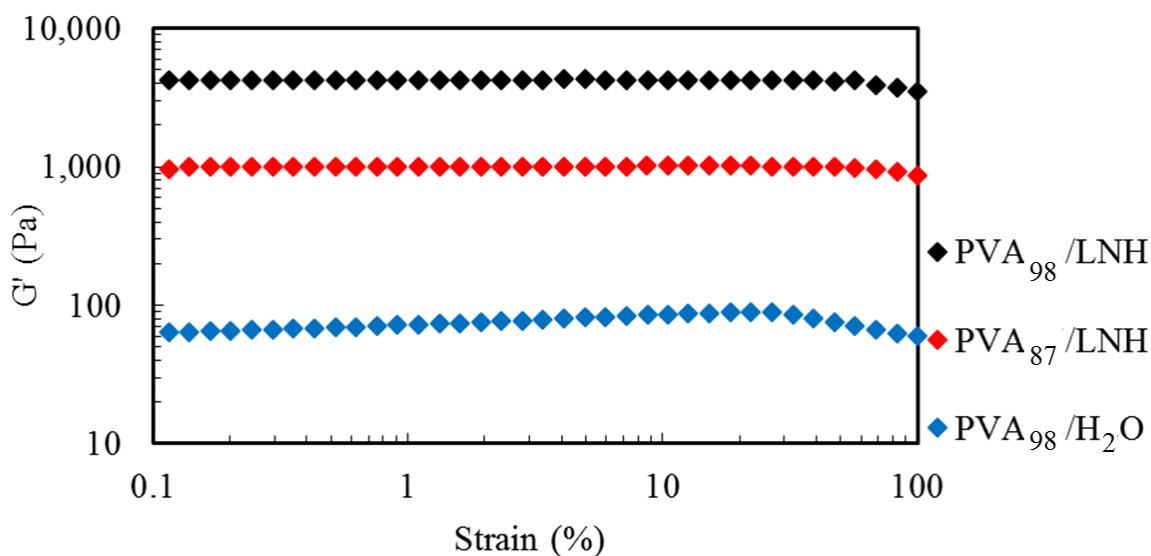


Fig. S1. Strain-dependent G' for 15 wt% PVA solutions in LNH and H₂O for 87% and 98% degrees of PVA hydrolysis. Testing was conducted at a temperature of 25 °C with an angular frequency of 10 rad/s.

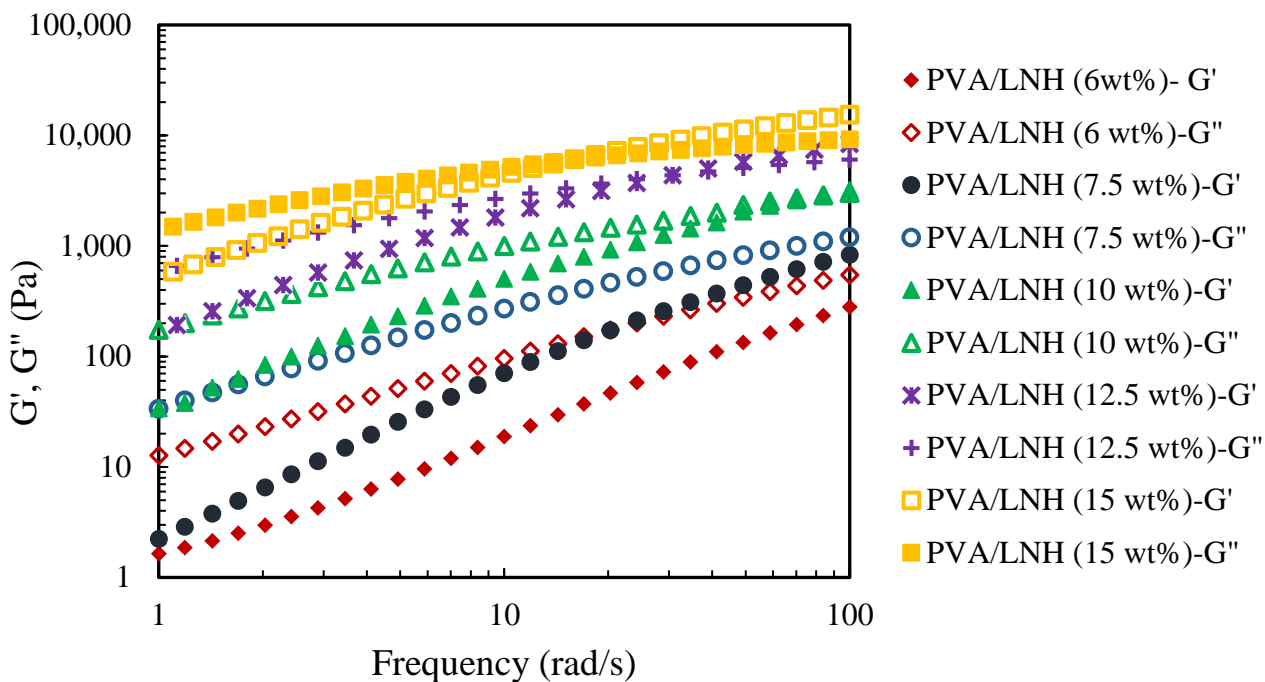


Fig. S2. Frequency dependencies of G' and G'' in PVA₉₈/LNH system at different polymer concentrations. Temperature was 25 °C. Measurements were performed at $\gamma_L = 1\%$.

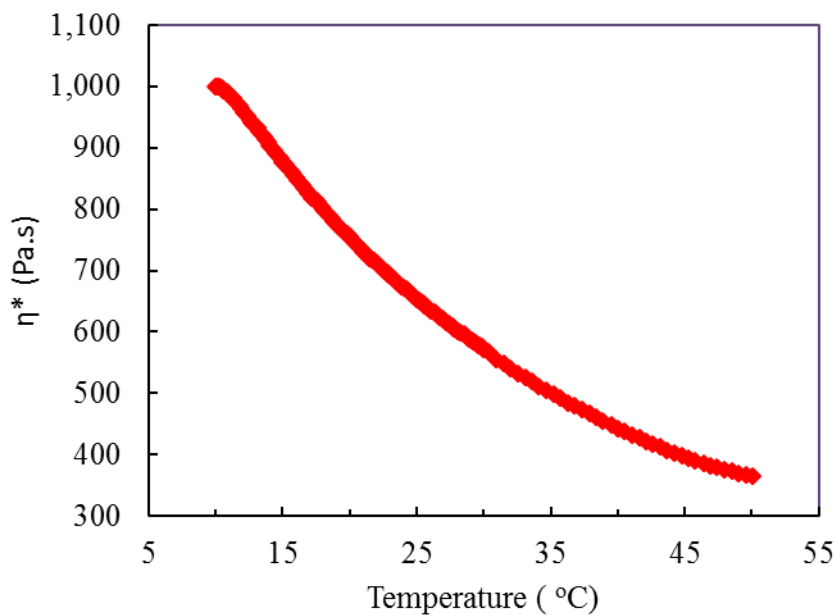


Fig. S3. Complex viscosity of PVA/LNH gels as a function of temperature during heating. Testing was conducted at an angular frequency of 10 rad/s and $\gamma_L = 10\%$.