

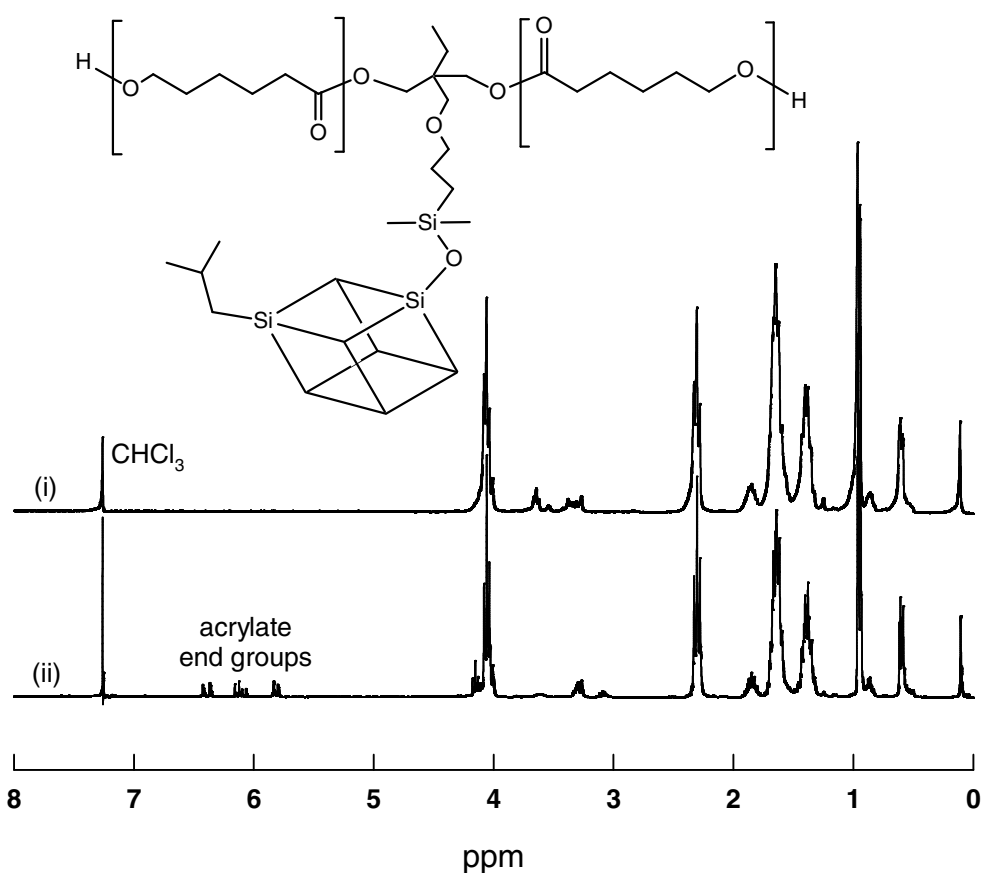
# Polycaprolactone-POSS

## Chemical/Physical Double Networks

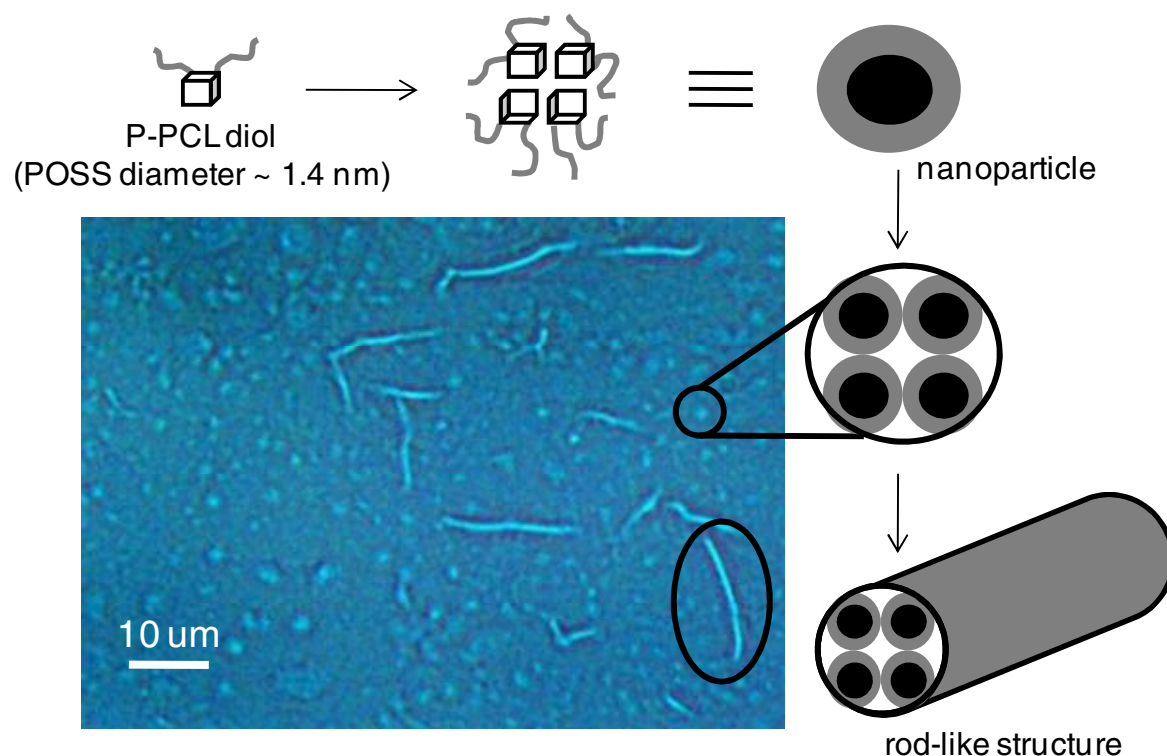
### SUPPLEMENTARY INFORMATION

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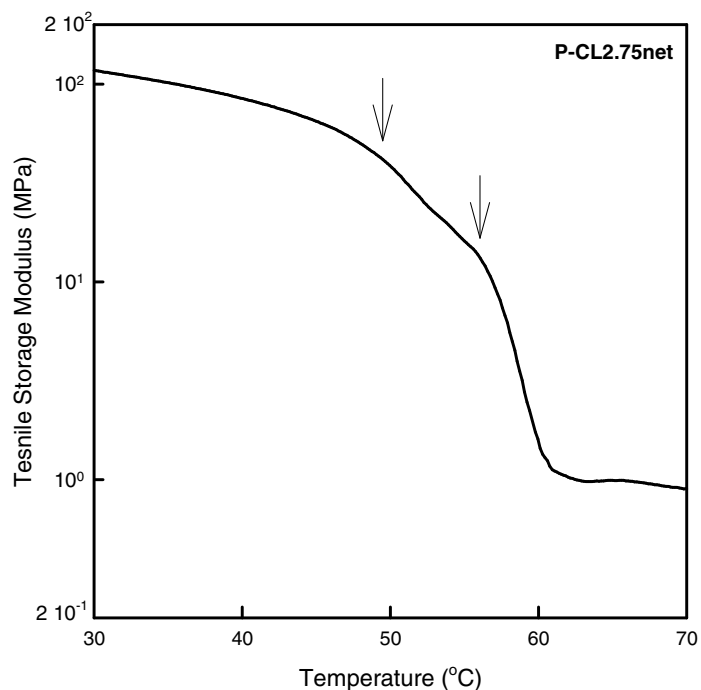
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**Figure S1.** <sup>1</sup>H NMR spectra for (i) P-CL2.5 diol and (ii) the acrylate end-capped P-CL2.5-mac. Important peaks are indicated on the diol molecular structure.



**Figure S2.** Optical micrograph of P-CL2 at room temperature (cast from a dilute solution) showing spherical and rod-like aggregations of POSS along with a proposed mechanism for the self-assembly of the POSS-PCL diols.



**Figure S3.** Temperature dependence of  $E'$  for P-CL2.75net on an expanded temperature scale, revealing a two-step melting behavior.