

Supporting Information

**Multiscale Structural Characterization of
Biocompatible Poly(trimethylene carbonate)
Photoreticulated Networks**

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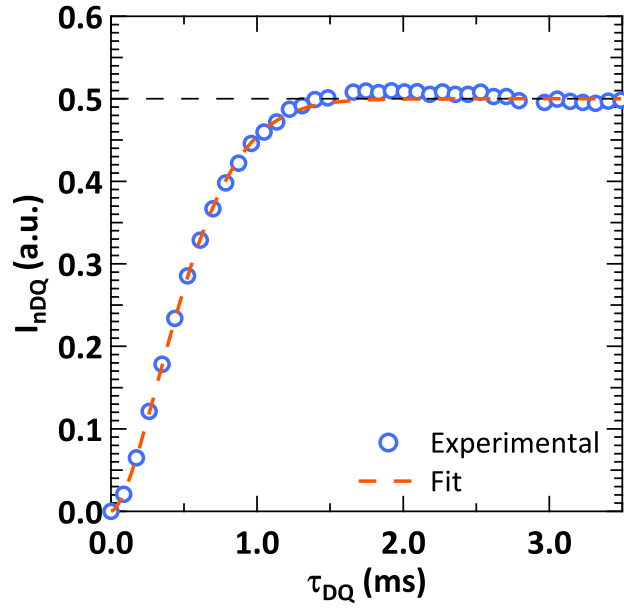


Figure SI.1: I_{nDQ} signal obtained for the PTMC 10k network at $T_{\alpha} + 90^{\circ}\text{C}$ fitted by Equation 7.

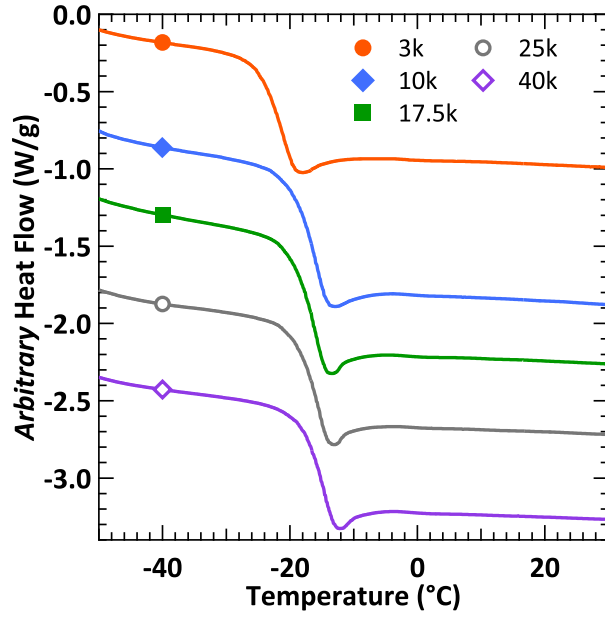


Figure SI.2: DSC Thermograms highlighting the T_g obtained for PTMC macromers.

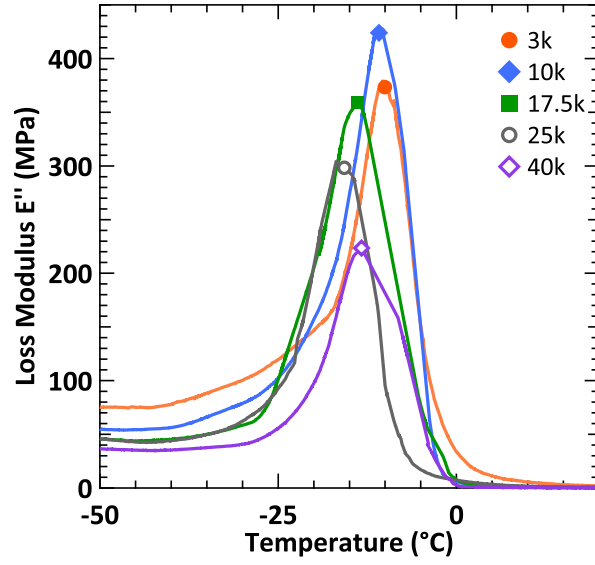


Figure SI.3: Loss modulus E'' obtained for all PTMC networks as a function of temperature.

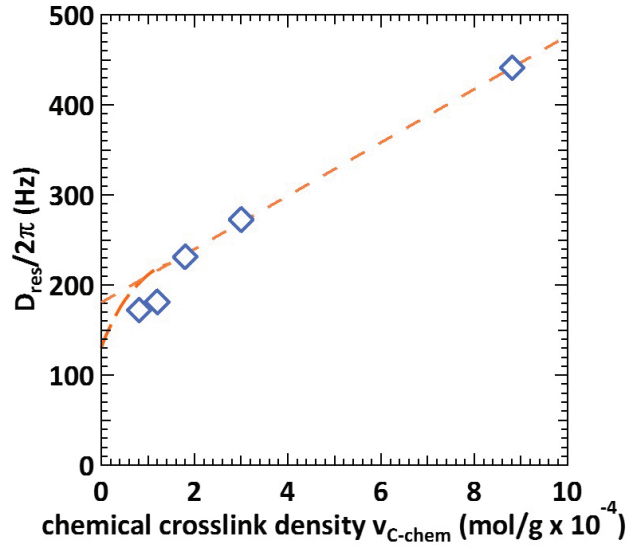


Figure SI.4: D_{res} values obtained by MQ 1H NMR measurements as a function of the chemical ν_{C-chem} crosslink densities for all studied PTMC networks. The dashed line is a linear fit and serves as a guide for the eyes.

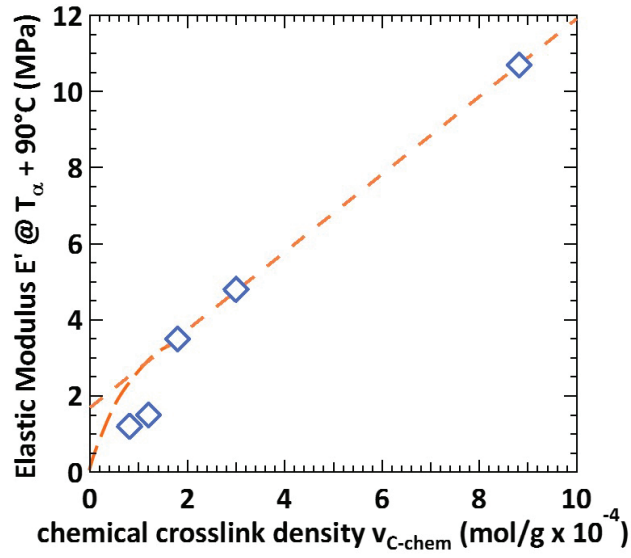


Figure SI.5: E' at $T_{\alpha} + 90^{\circ}\text{C}$ obtained by DMA as a function of the chemical v_{C-chem} crosslink density. The dashed line is a linear fit and serves as a guide for the eyes.