

Supporting Information for

Mechanical Properties and Moisture Transport Behavior of Acid-Sensitive Hydrogels

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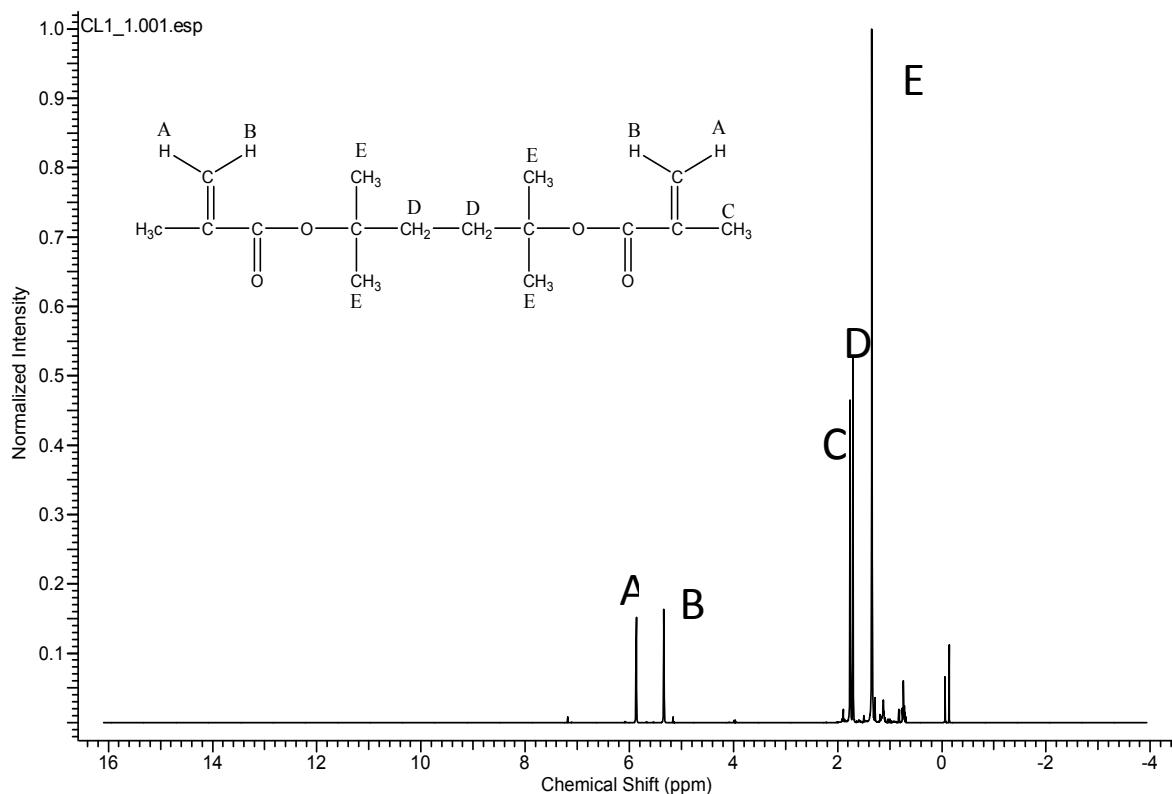


Figure S1. ^1H NMR spectra of CL1. (Small residual vacuum grease peaks observed at 0.8, -0.8 ppm).

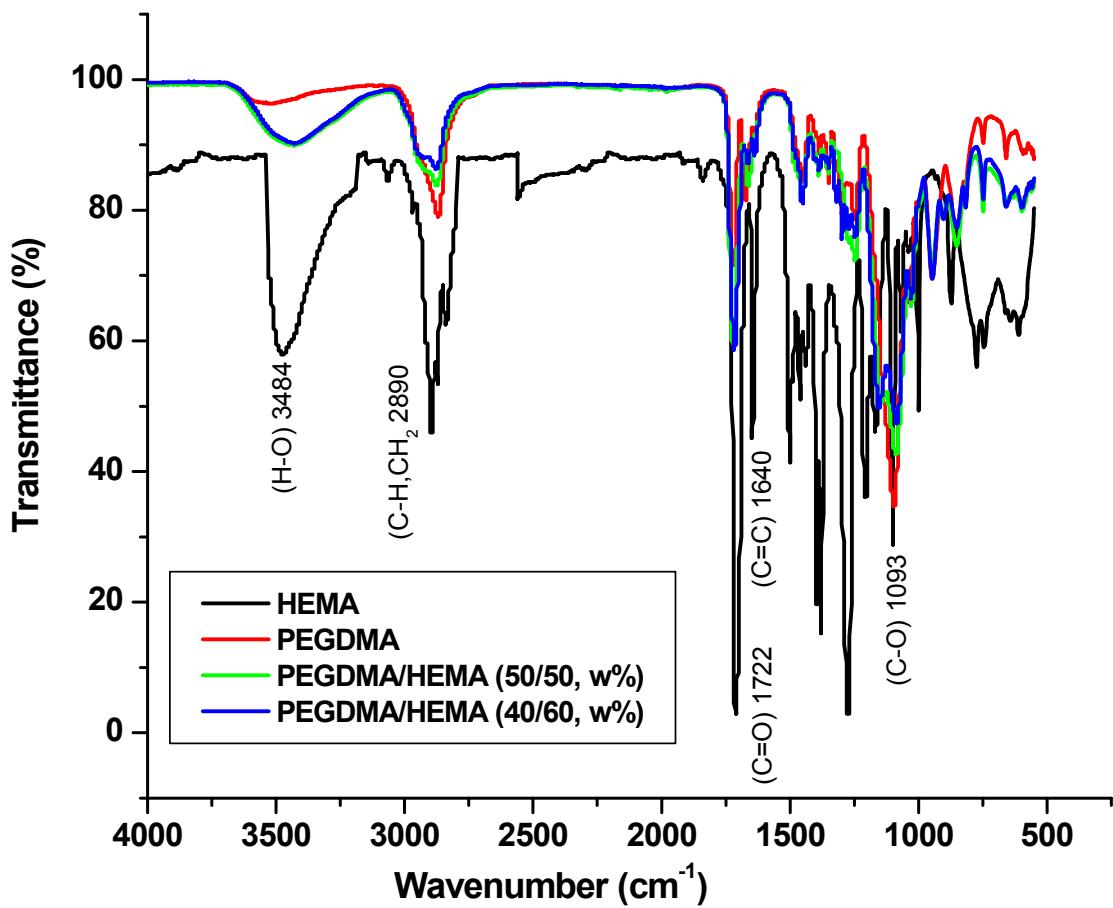


Figure S2. FTIR-ATR spectra of HEMA, PEGDMA, PEGDMA/HEMA (50/50, w %) copolymer, and PEGDMA/HEMA (40/60, w %) copolymer.

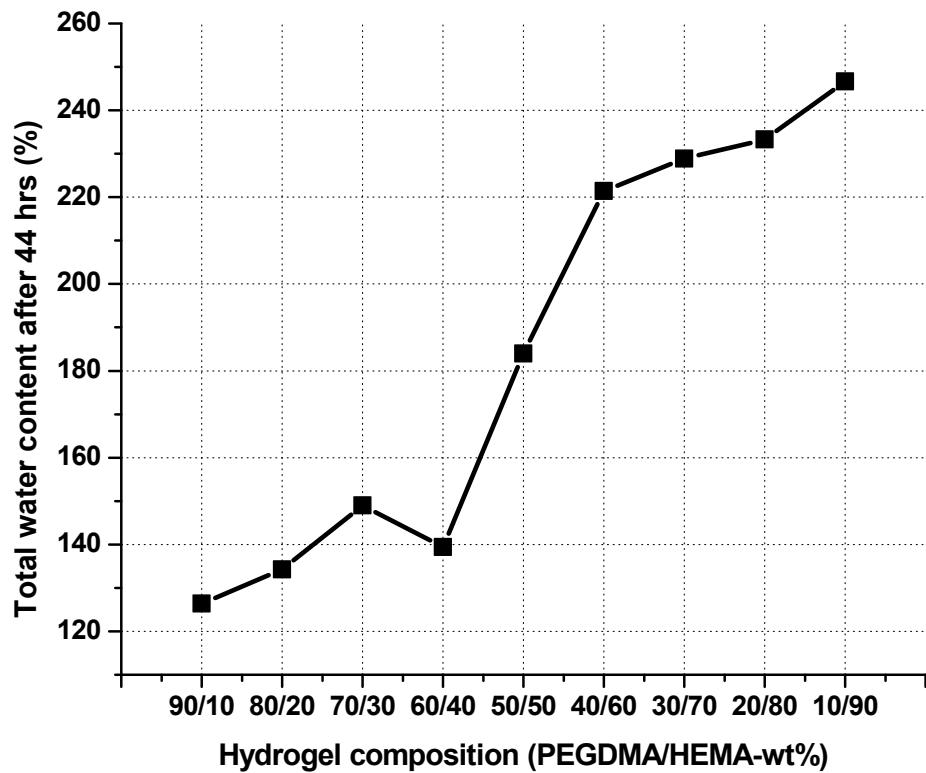


Figure S3. Total water content as a function of hydrogel composition.

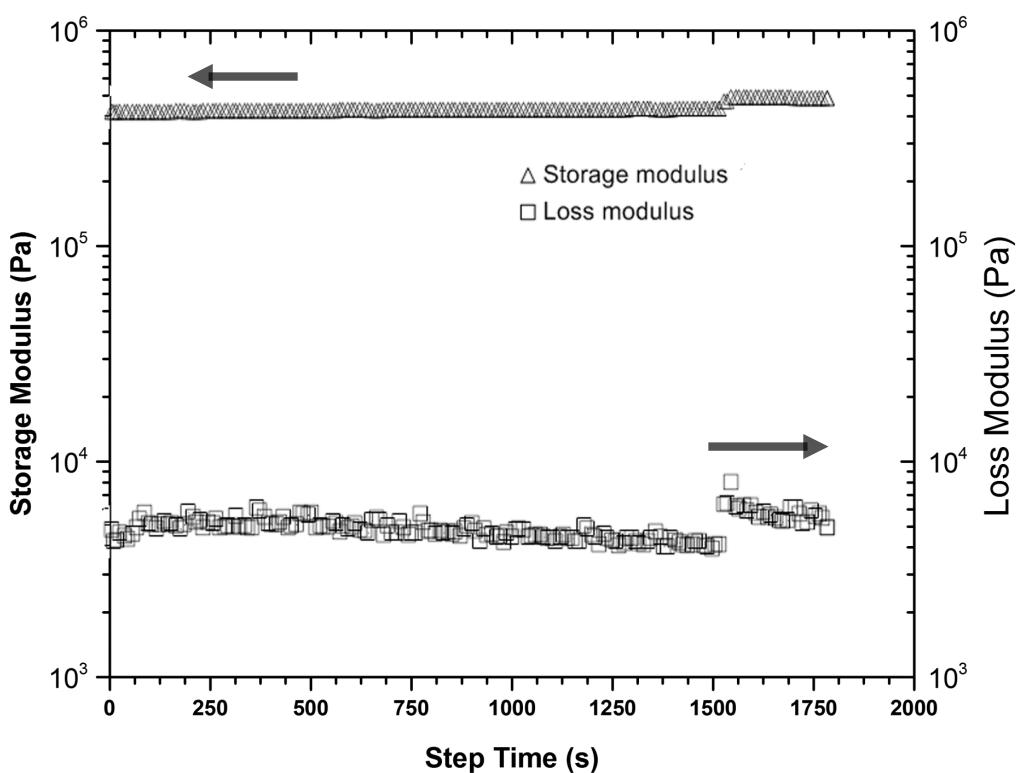


Figure S4. Rheological properties (time sweep experiment) of the PEDDMA/HEMA (90/10) hydrogel.

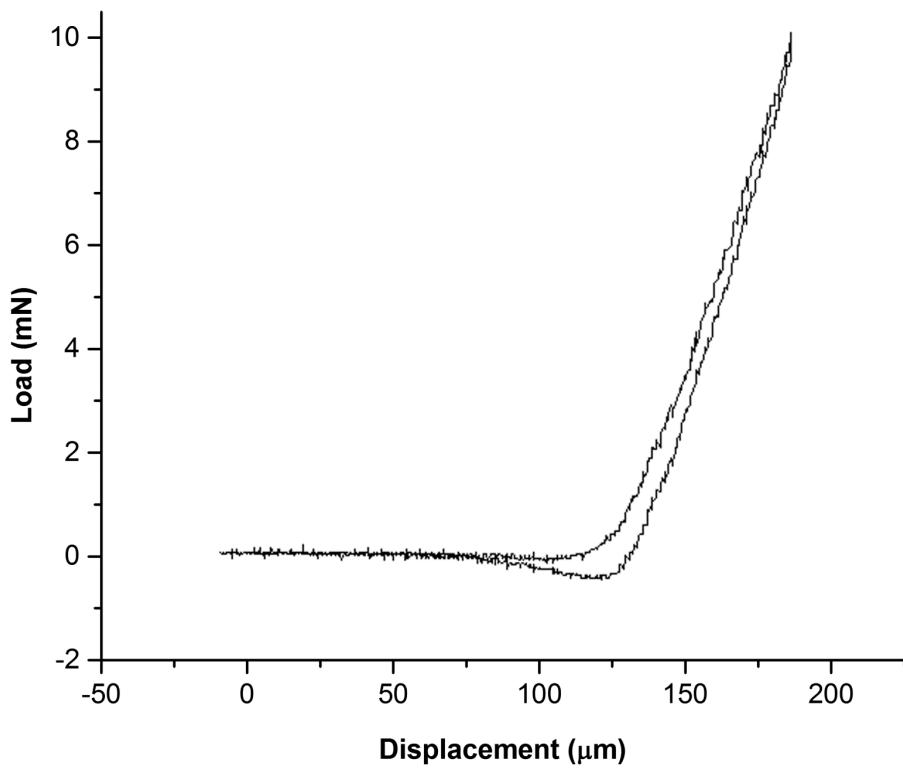


Figure S5. A typical force-displacement curve of a PEGDMA/HEMA 90/10 sample from small-strain contact mechanics.

Table S1. Thermal stability – TGA 10% Weight Loss Temperature

Sample	10% Weight Loss Temperature (°C)
PEGDMA/HEMA (10/90 %)	266
PEGDMA/HEMA (30/70 %)	273
PEGDMA/HEMA (50/50 %)	280
PEGDMA/HEMA (600/40 %)	290
PEGDMA/HEMA (90/10 %)	331