

Supporting Information

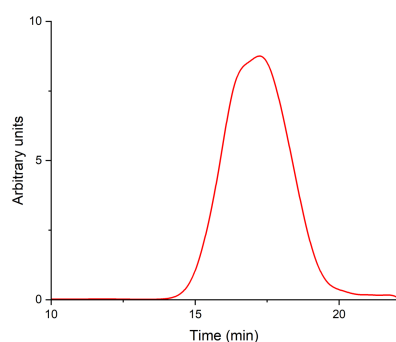
Mechanical Evaluation of Hydrogel-Elastomer Interfaces Generated Through Thiol-Ene Coupling

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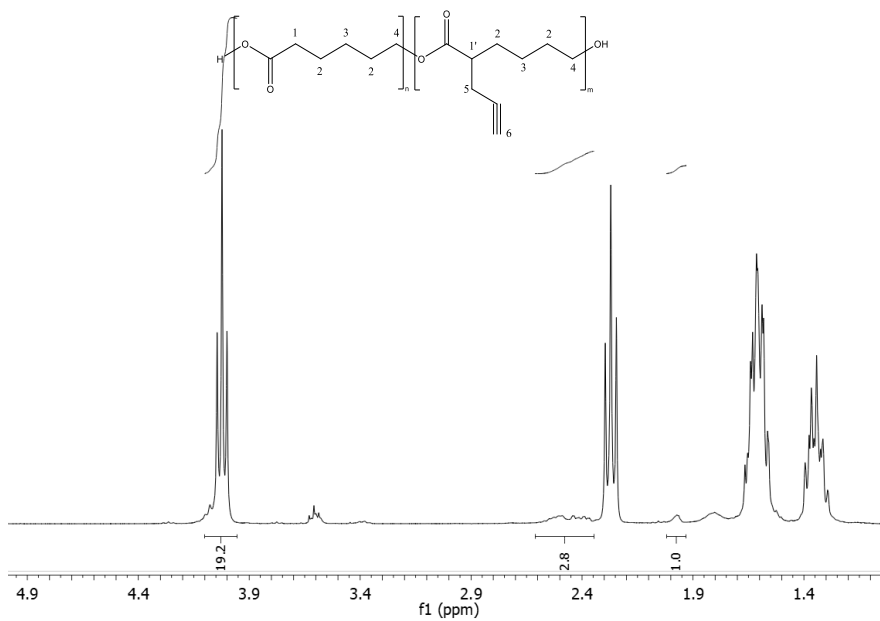
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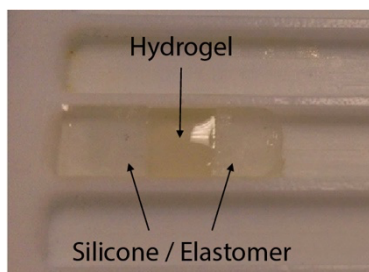
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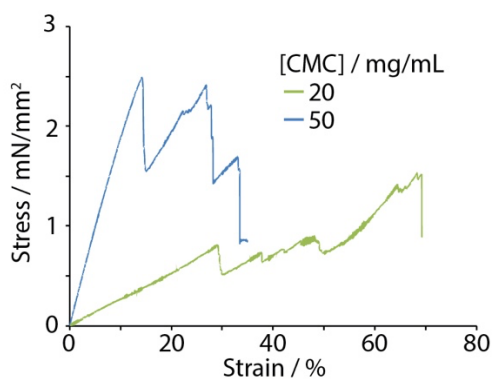
Supplementary Figure S1. Gel Permeation Chromatography trace obtained for PCL-alkyne.



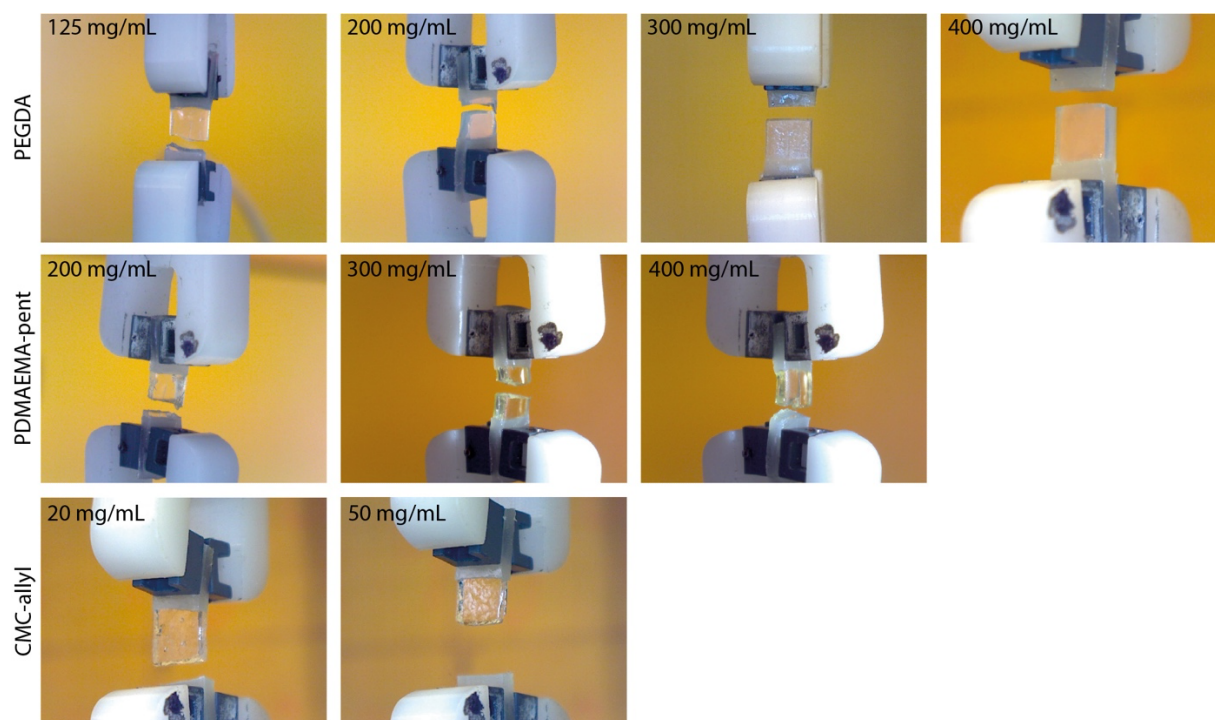
Supplementary Figure S2. ^1H NMR (300 MHz) spectrum of PCL-Alkyne (CDCl_3). Integrals required to calculate the substitution level are indicated.



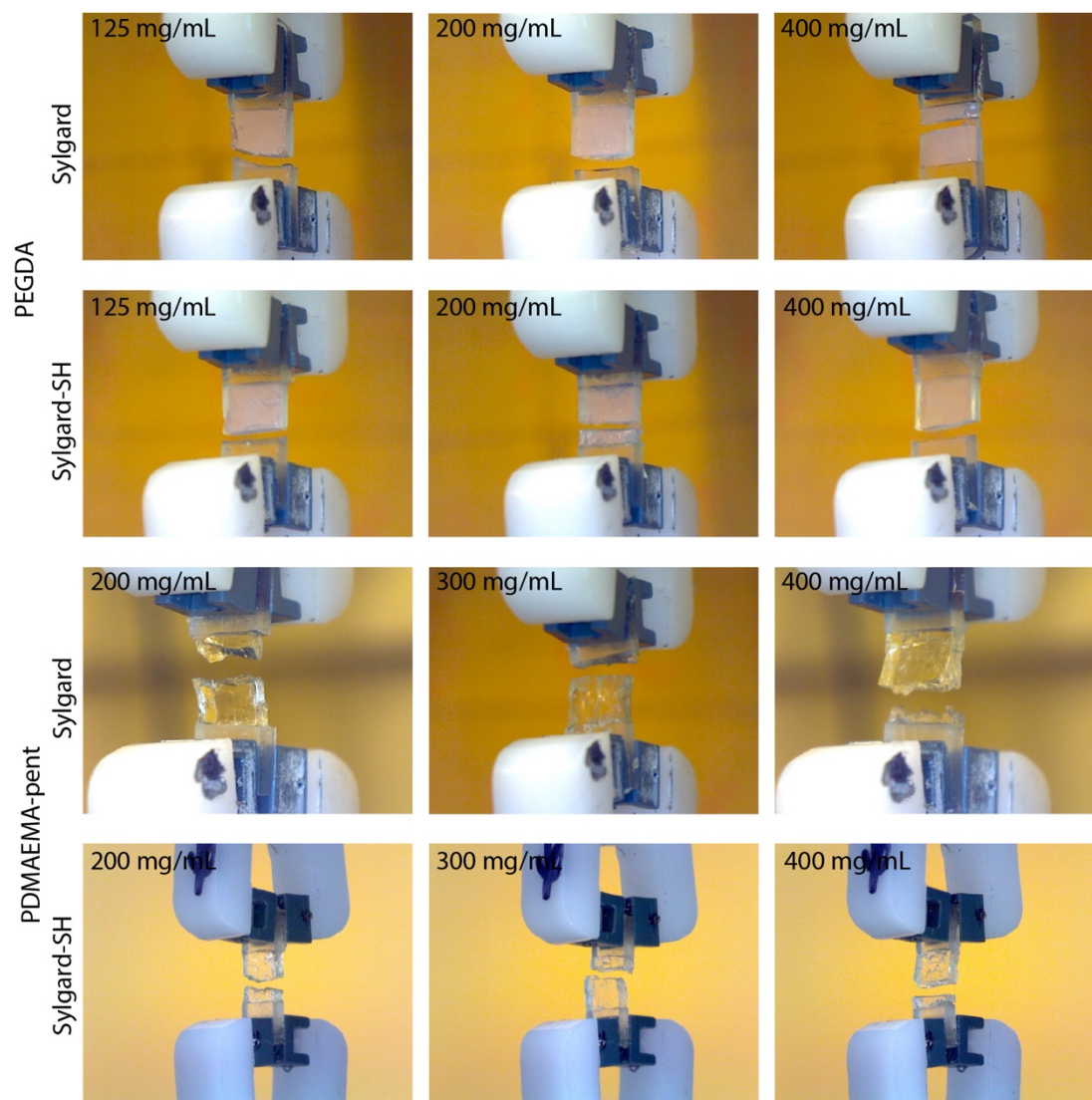
Supplementary Figure S3. Image of hybrid sample taken shortly after irradiation in a mould.



Supplementary Figure S4. Representative examples of stress-strain traces recorded for hybrid samples formulated with thiol-ene PDMS and CMC-Allyl hydrogels.



Supplementary Figure S5. Images of hybrid samples formulated with thiol-ene PDMS and various hydrogels, stretched to failure. The hydrogels used in corresponding samples was: A, PEGDA; B, PDMAEMA-Pent; C, CMC-Allyl.



Supplementary Figure S6. Images of hybrid samples, after failure, formulated with PEGDA and PDMAEMA-Pent at different concentrations and Sylgard PDMS (with and without surface treatment with thiolated PDMS).