

A New Light Triggered Approach to Develop a Micro Porous Tough Hydrogel**

By *Qingqing Dou*^{#a}, *Zhi Wei Kenny Low*^{#ab}, *Kangyi Zhang*^a and *Xian Jun Loh*^{*abc}

¹ Institute of Materials Research and Engineering (IMRE), 2 Fusionopolis Way, #08-03. Innovis, Singapore 138634

²Department of Materials Science and Engineering, National University of Singapore, 9 Engineering Drive 1, Singapore 117576, Singapore

³Singapore Eye Research Institute, 11 Third Hospital Avenue, Singapore 168751, Singapore

E-mail: lohxj@imre.a-star.edu.sg

Co-first author

[*] Email: lohxj@imre.a-star.edu.sg

[**] X.J.L. would like to acknowledge the A*STAR for supporting his research.

Figures

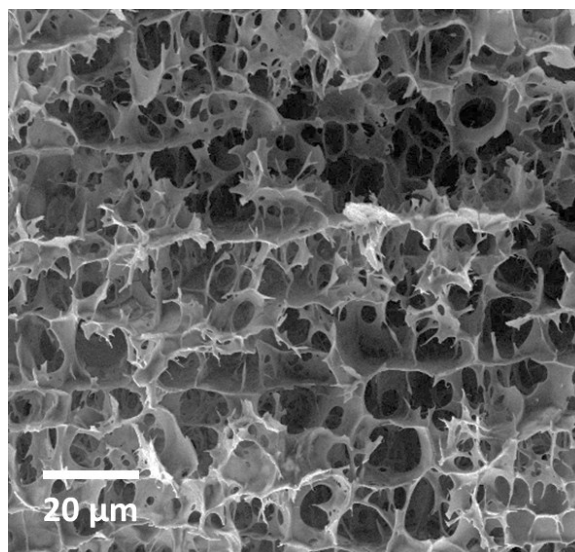


Figure S1. SEM image of E30 hydrogel.

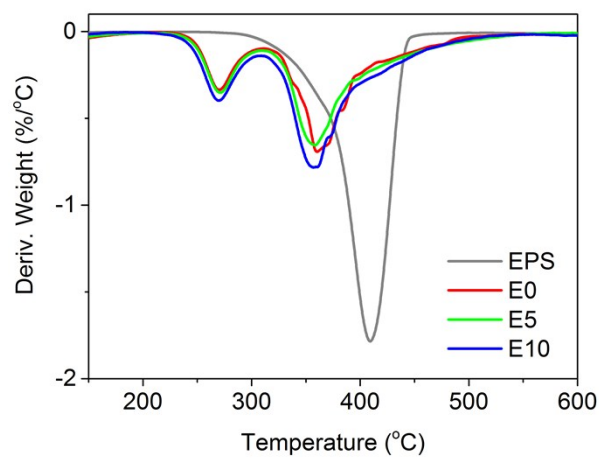


Figure S2. Thermal degradation profiles of freeze-dried polymers. Variation of differential weight with temperature.

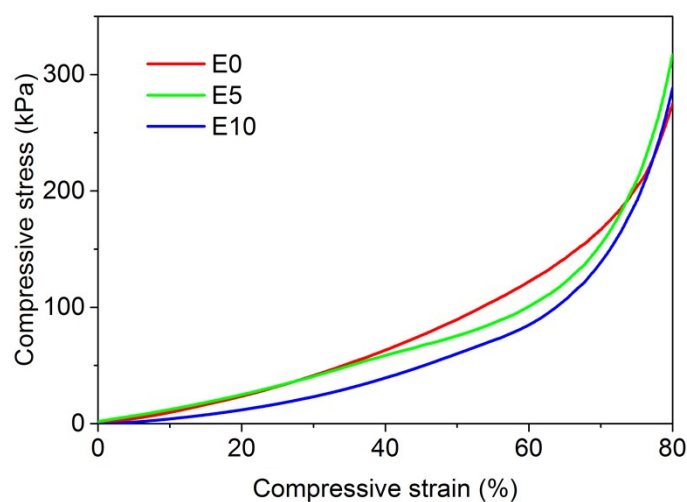


Figure S3. Compression test results of E0, E5 and E10 hydrogels.

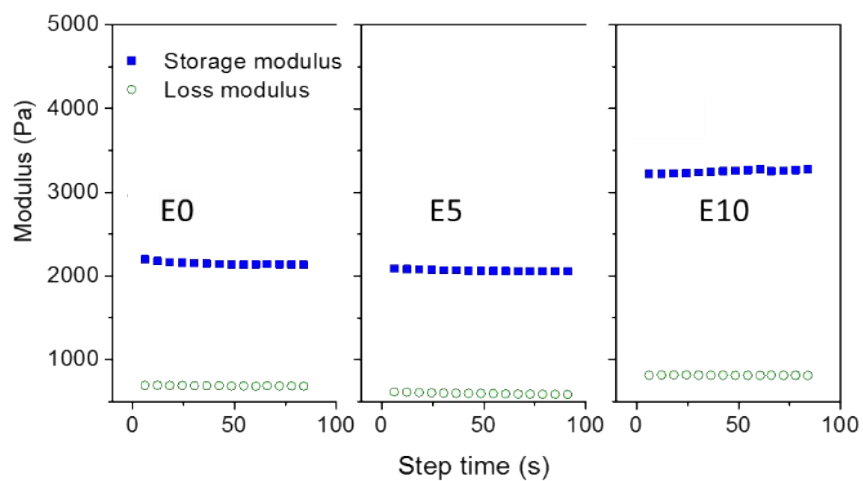


Figure S4. Storage and loss modulus of E0, E5 and E10 hydrogels.