

Supporting Information

Semicrystalline polymer networks with swelling enhanced water-triggered two-way shape-memory effect for programmable deformation and smart actuation

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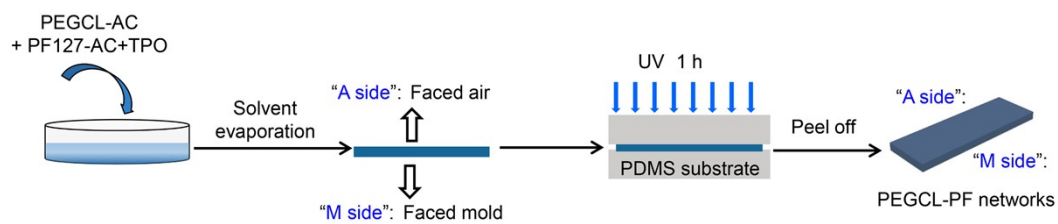


Fig. S1. Fabrication process of PEGCL-PF networks.

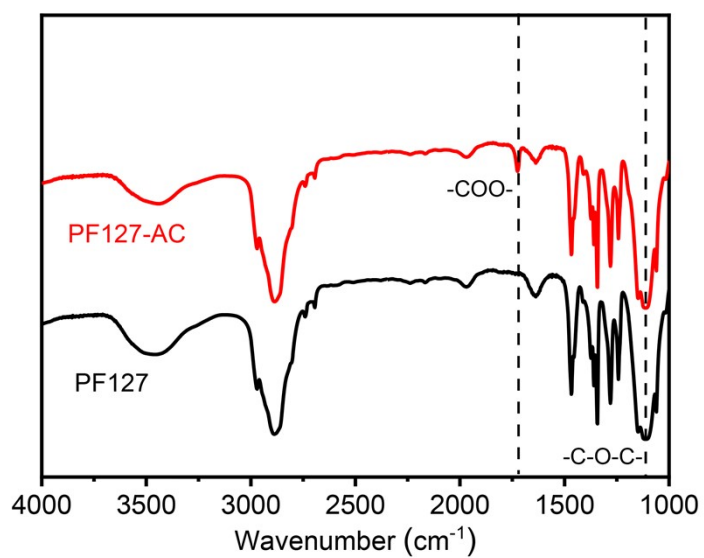


Fig. S2. FTIR spectra of PF127 and PF127-AC.

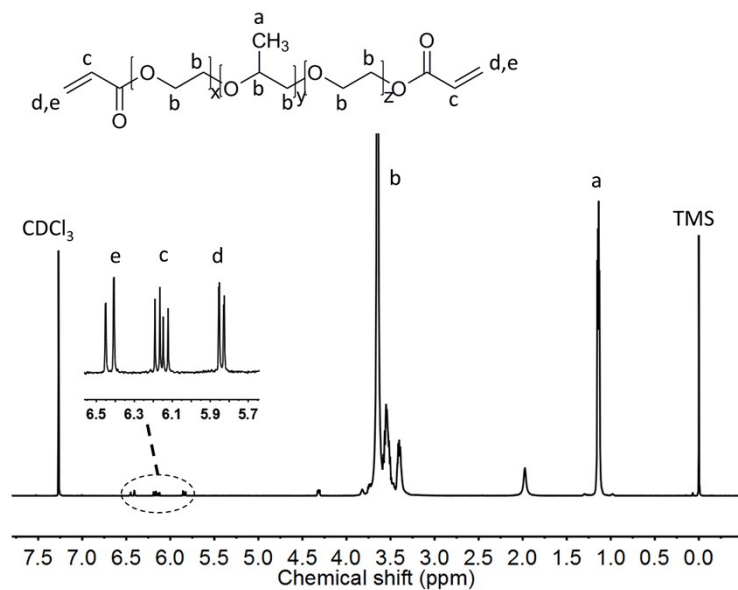


Fig. S3. ^1H NMR spectrum of PF127-AC.

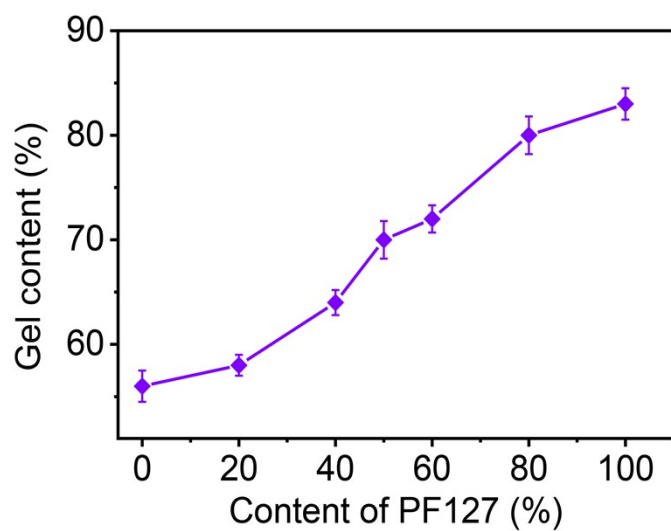


Fig. S4. Gel content of PEGCL-PF networks with different PF127 contents.

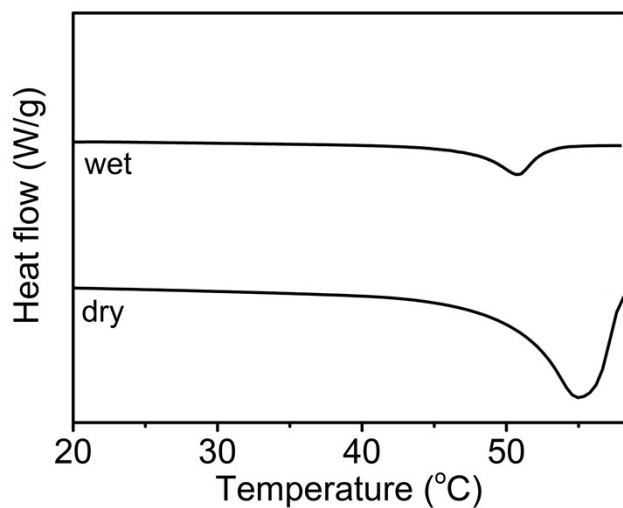


Fig. S5. DSC curves of PEGCL-PF_{0%} before and after immersing in water for 1 h.

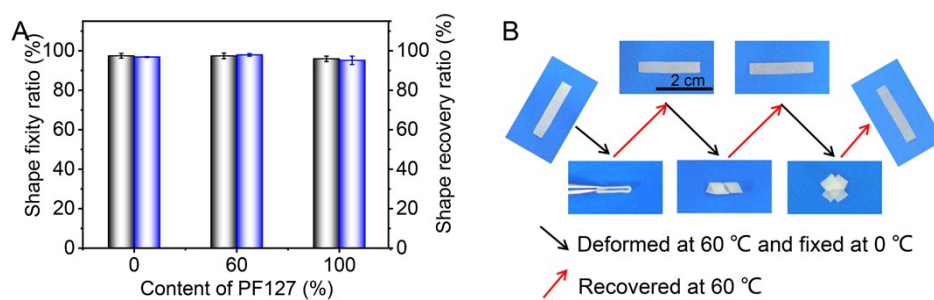


Fig. S6. (A) The shape fixity ratio and shape recovery ratio in 1W-SME. (B) The PEGCL-PF was bent or folded into various shapes to investigate the programmable property.