

Supplementary Information

Thermoplastic zwitterionic elastomer with critical antifouling properties

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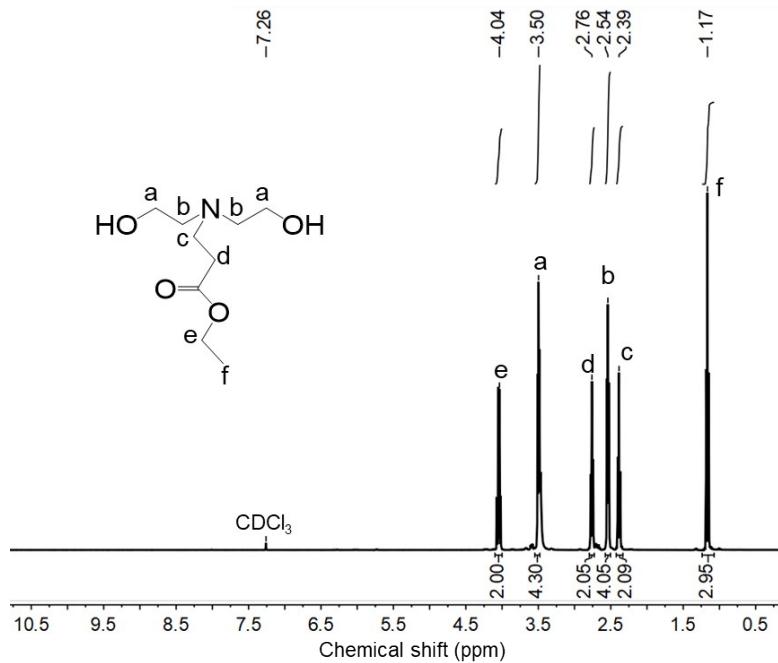


Figure S1. ¹H NMR spectrum for DEAEA.

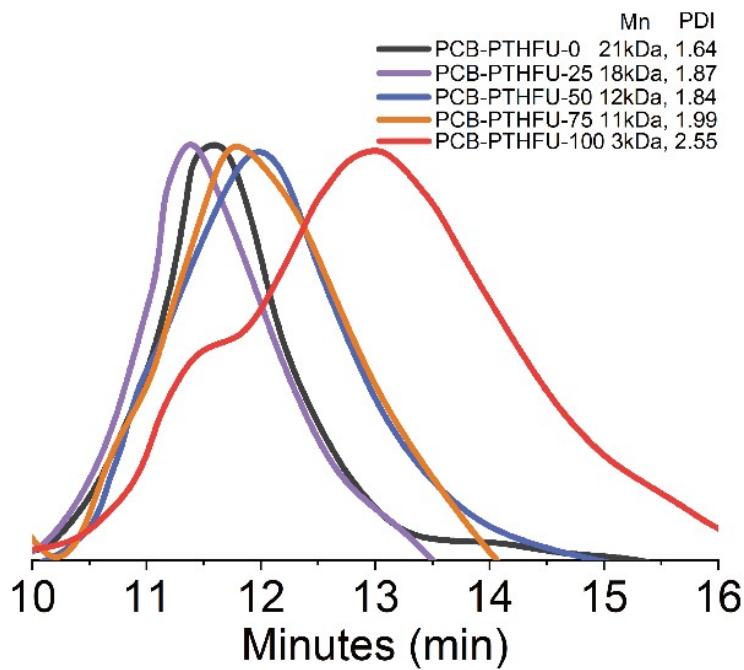


Figure S2. GPC curves of PCB-PTHFU-0, PCB-PTHFU-25, PCB-PTHFU-50, PCB-PTHFU-75, and PCB-PTHFU-100.

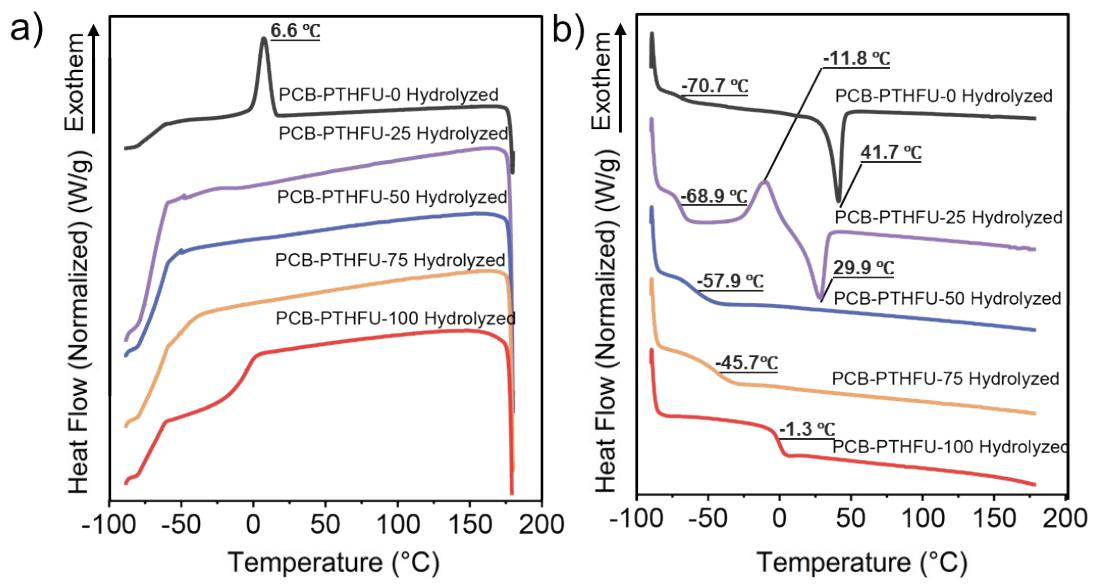


Figure S3. DSC profile of a) the cooling curve and b) the heating curve of hydrolyzed PCB-PTHFUs.

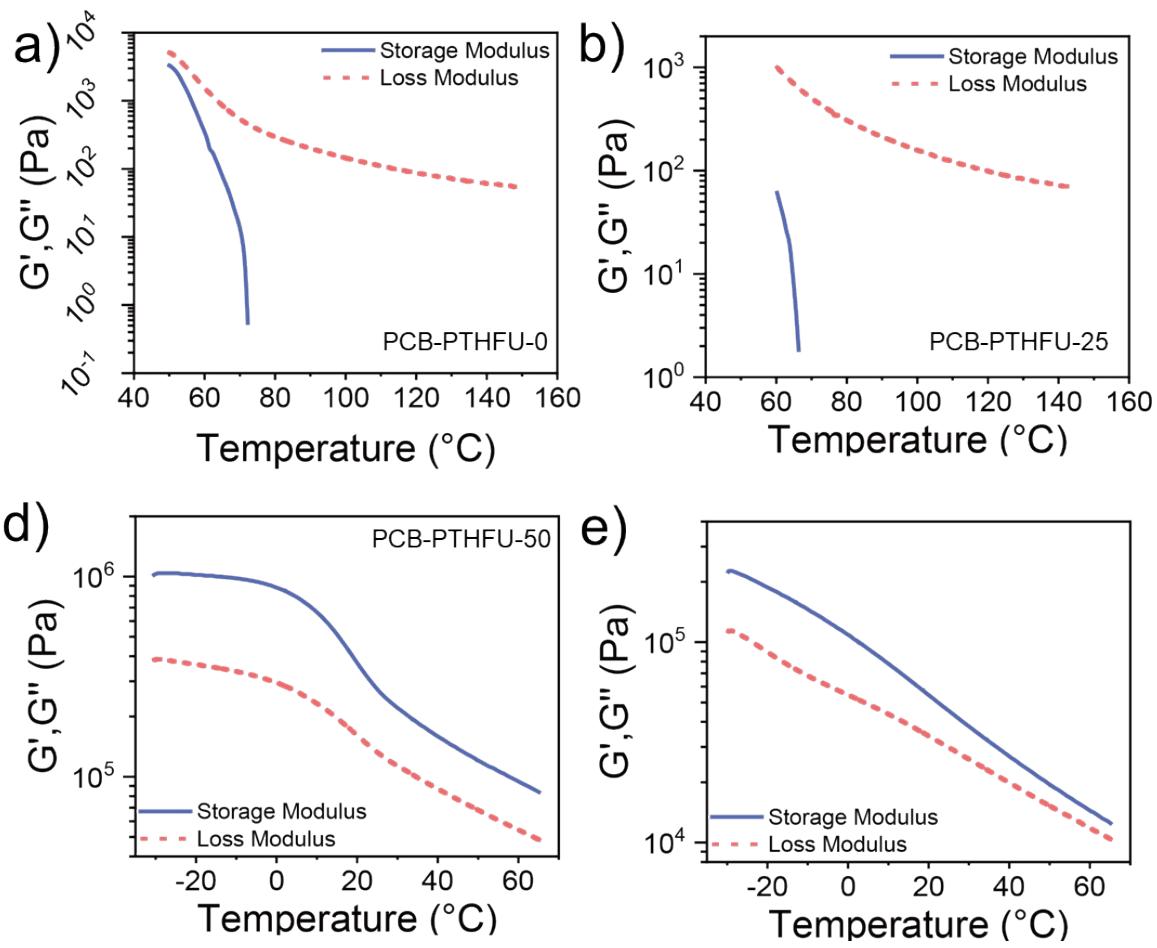


Figure S4. Temperature sweep rheological studies ($> 60 \text{ } ^{\circ}\text{C}$) of a) PCB-PTHFU-0 and b) PCB-PTHFU-25. Temperature sweep rheological studies ($-35 \text{ } ^{\circ}\text{C}$ to $60 \text{ } ^{\circ}\text{C}$) of c) PCB-PTHFU-50 and d) PCB-PTHFU-75.

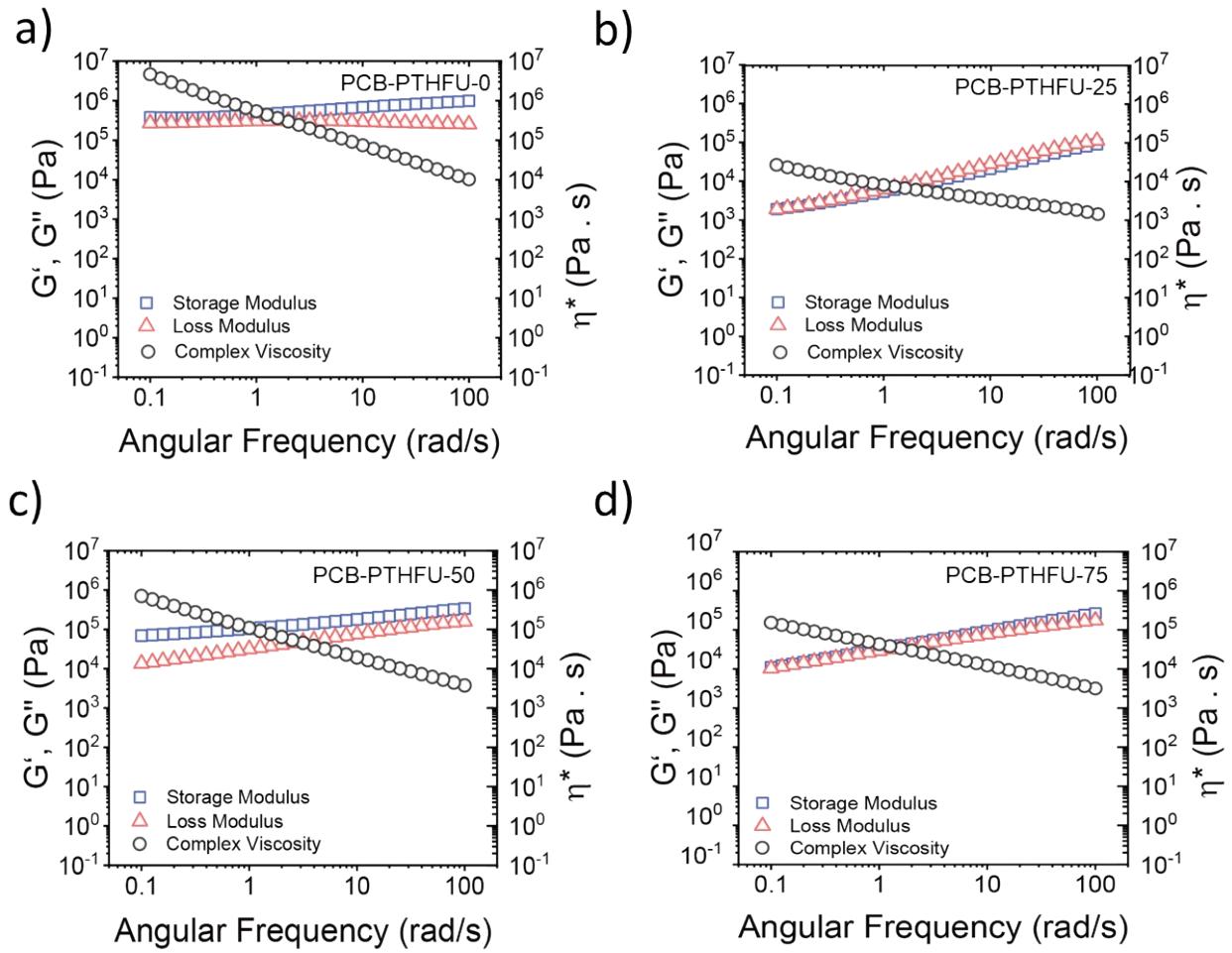


Figure S5. Frequency sweep rheological studies at 37 °C of a) PCB-PTHFU-0, b) PCB-PTHFU-25, c) PCB-PTHFU-50, and d) PCB-PTHFU-75.