

Redox and thiol-ene cross-linking of mercapto poly(ϵ -caprolactone) for the preparation of reversible degradable elastomeric materials

Benjamin Nottelet^{*a}, Guillaume Tambutet^a, Youssef Bakkour^a, and Jean Coudane^a

Received (in XXX, XXX) Xth XXXXXXXXXX 20XX, Accepted Xth XXXXXXXXXX 20XX

DOI: 10.1039/b000000x

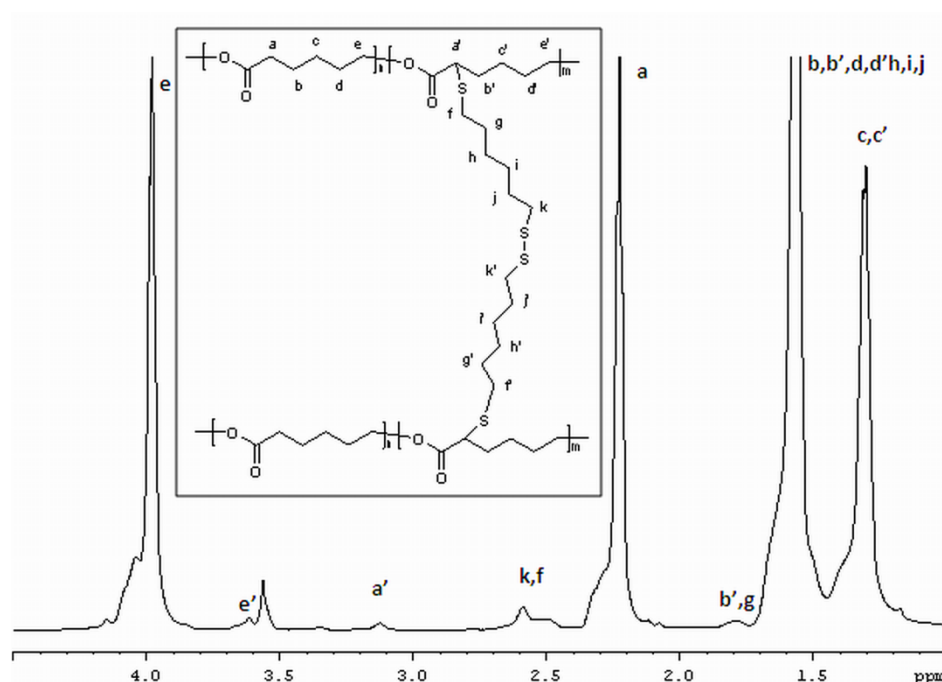


Figure S1. ¹H NMR of EM_{SS} in CDCl₃ as the swelling solvent (recorded at 303 K and spinning rate 6 kHz).

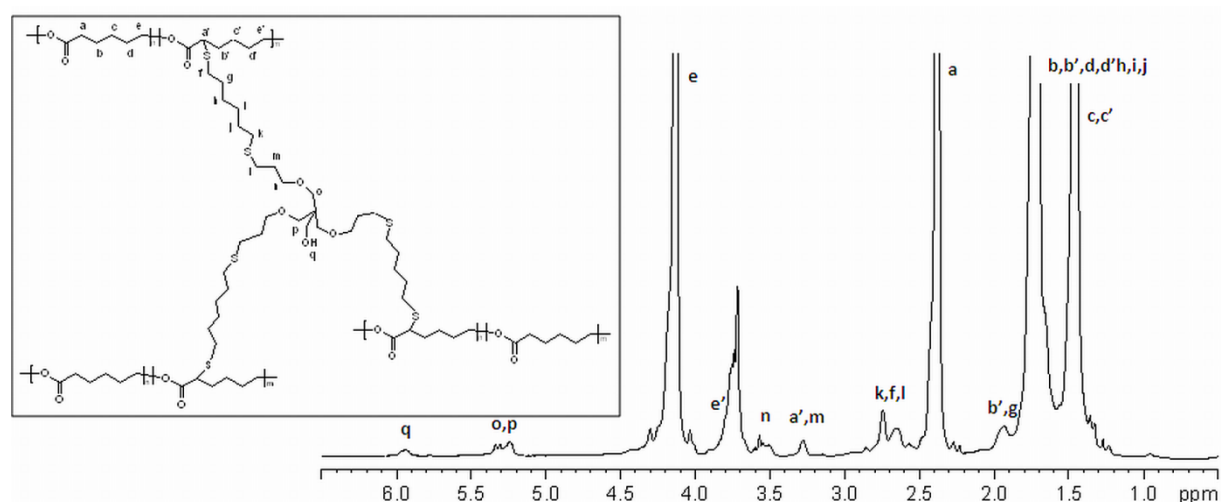


Figure S2. ^1H NMR of EM_{TE} in CDCl_3 as the swelling solvent (recorded at 303 K and spinning rate 6 kHz).

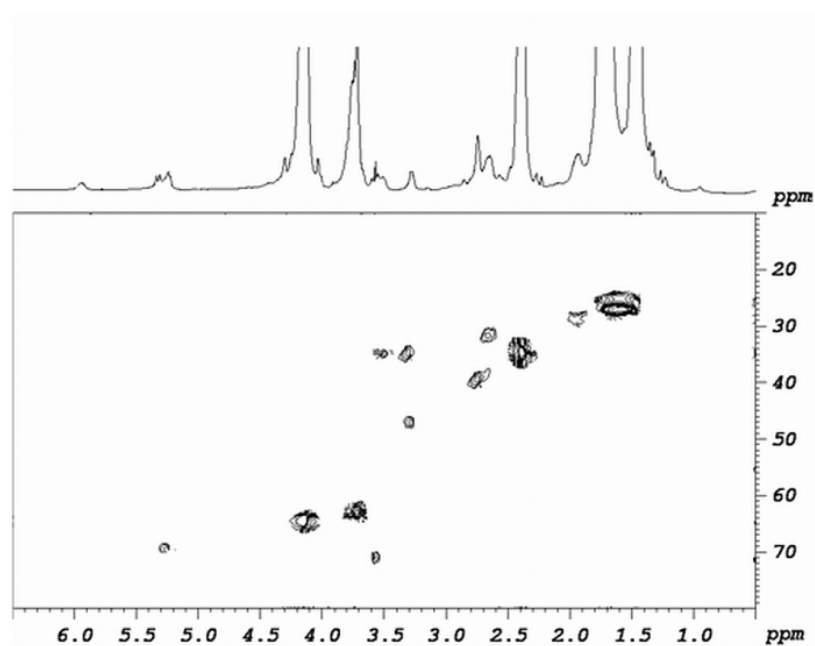


Figure S3. ^1H - ^{13}C HSQC map of EM_{TE}: high-field map.

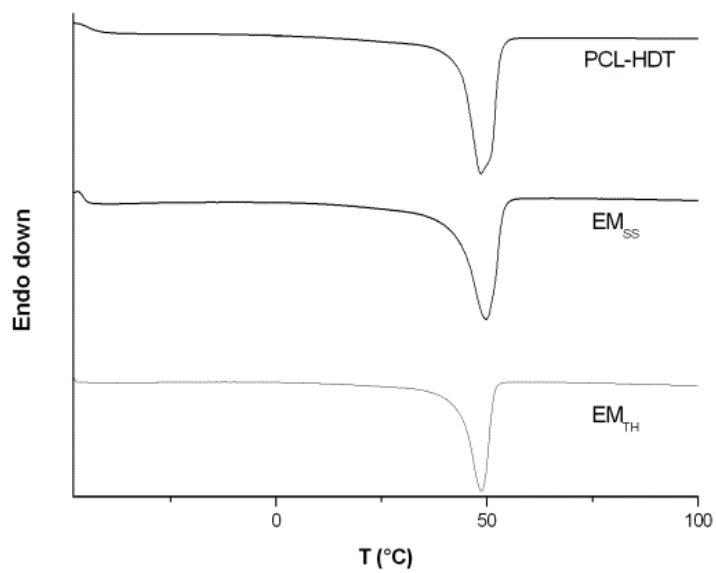


Figure S4. DSC thermograms of PCL-HDT, EM_{SS} and EM_{TH} second heating ramp at 5°C/min

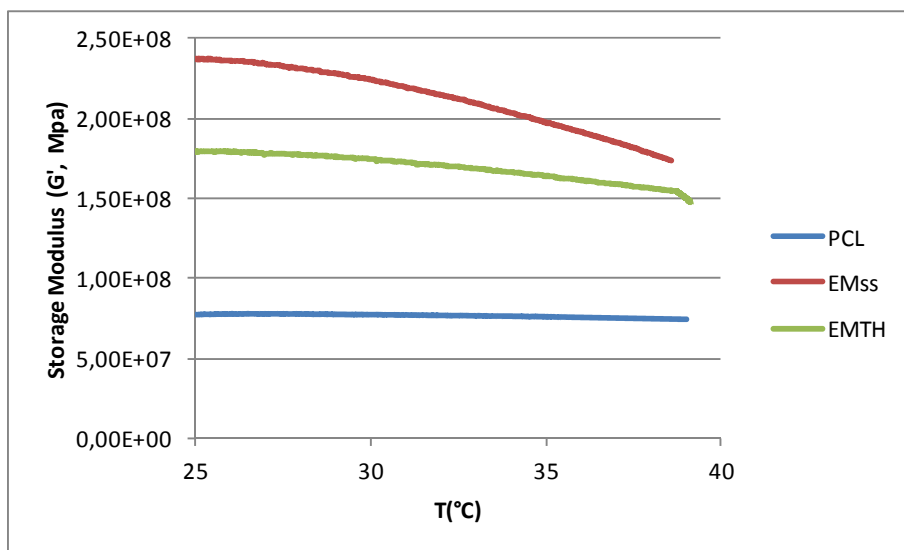


Figure S5. Dynamic mechanical analyses of PCL, EM_{ss} and EM_{TH} : storage modulus vs. temperature scan.

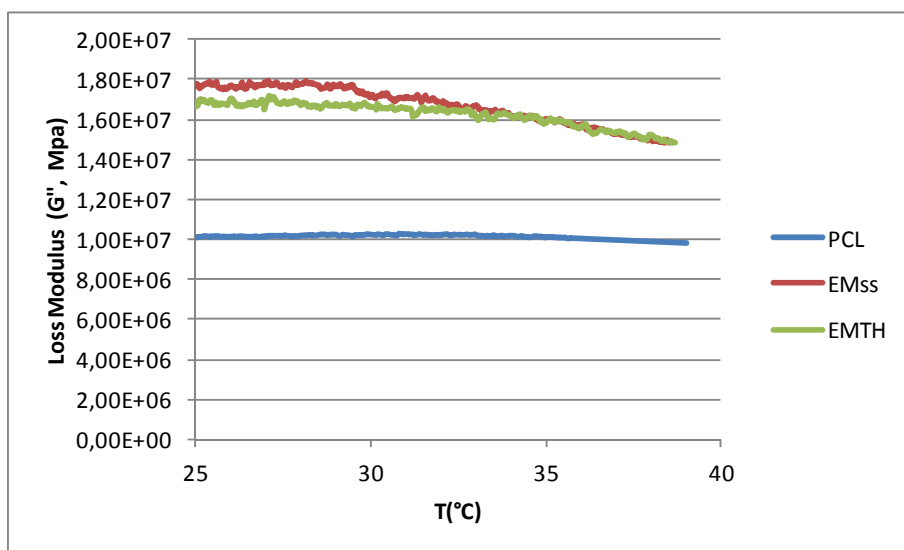


Figure S6. Dynamic mechanical analyses of PCL, EM_{ss} and EM_{TH} : loss modulus vs. temperature scan.

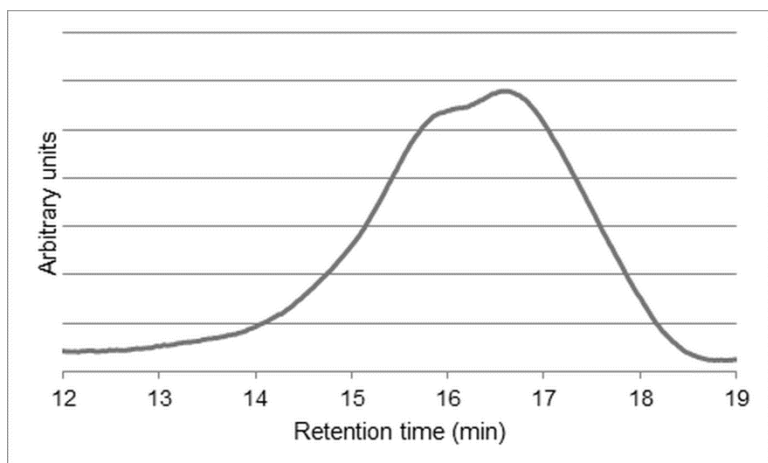


Figure S7. SEC chromatogram of polymer chains obtained after reduction of EMss (THF, 1 mL/min)