Supplementary Materials

Alternative to Poly(2-Isopropyl-2-Oxazoline) with a Reduced Ability to Crystallize and Physiological LCST

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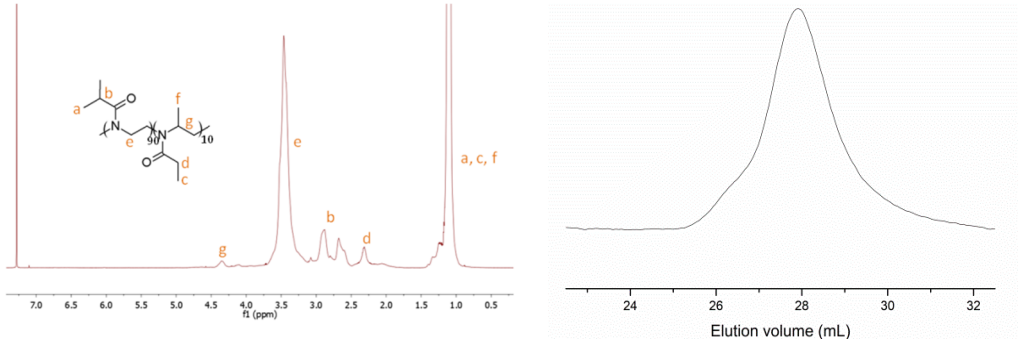
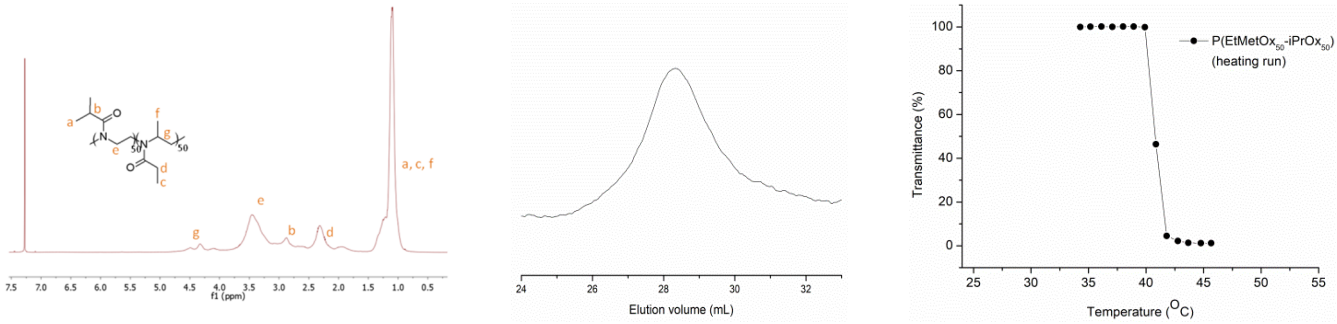


(**a**) (**b**)

Figure S1. (**a**) ^{1}H NMR spectrum of P(EtMetOx$_{10}$-iPrOx$_{90}$) (CDCl$_3$); (**b**) SEC trace of P(EtMetOx$_{10}$-iPrOx$_{90}$) (DMF with 5 mmol LiBr as eluent, 1 mL/min, RI signal).



(**a**) (**b**) (**c**)

Figure S2. Characterization of P(EtMetOx$_{50}$-iPrOx$_{50}$): (**a**) ^{1}H NMR spectrum (CDCl$_3$); (**b**) SEC trace (DMF with 5 mmol LiBr as eluent, 1 mL/min, RI signal); (**c**) Transmittance-temperature dependence (aqueous solution, c = 5 g L^{-1}).

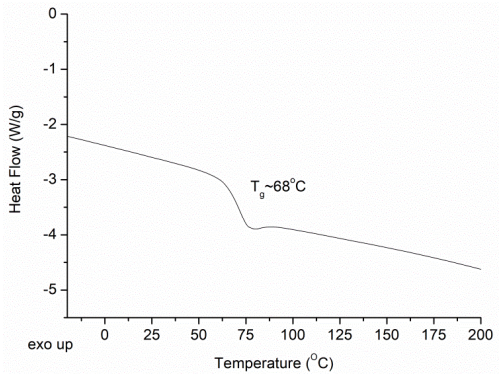
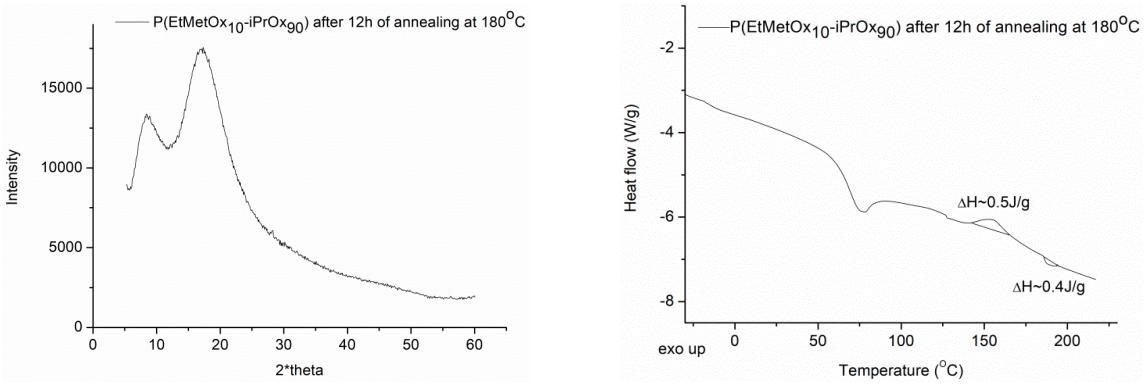
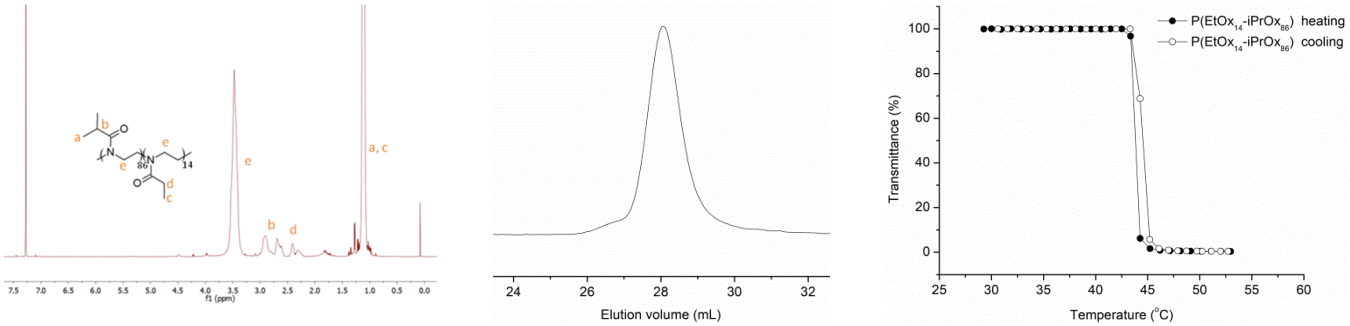


Figure S3. DSC trace of P(EtMetOx$_{10}$-iPrOx$_{90}$) after the first DSC run and quenching with liquid nitrogen.



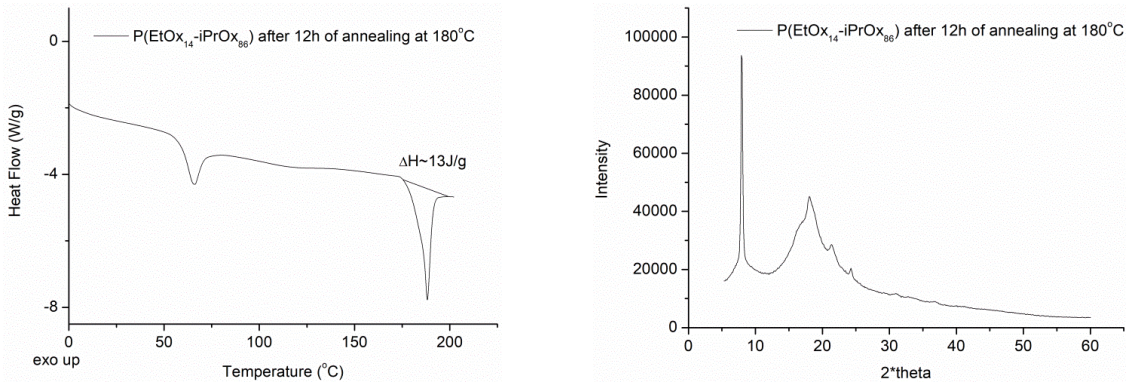
(**a**) (**b**)

Figure S4. P(EtMetOx10-iPrOx90) after annealing at 180 °C for 12 h and then cooling to room temperature at a rate of 10 °C/min: (**a**) X-ray diffraction curve; (**b**) DSC trace.



(**a**) (**b**) (**c**)

Figure S5. Characterization of P(EtOx14-iPrOx86): (**a**) ^{1}H NMR spectrum ($CDCl_3$); (**b**) SEC trace (DMF with 5 mmol LiBr as eluent, 1 mL/min, RI signal); (**c**) Transmittance-temperature dependence (aqueous solution, c = 5 g L^{-1}).



(**a**) (**b**)

Figure S6. P(EtOx14-iPrOx86) after annealing at 180 °C for 12 h and then cooling to room temperature at a rate of 10 °C/min: (**a**) DSC trace; (**b**) X-ray diffraction curve.