

Electronic supplementary information (ESI)

Self-crosslinkable polymers from furan-functionalized Meldrum's acid and maleimides as effective precursors of free-standing and flexible crosslinked polymer films showing low dielectric constants

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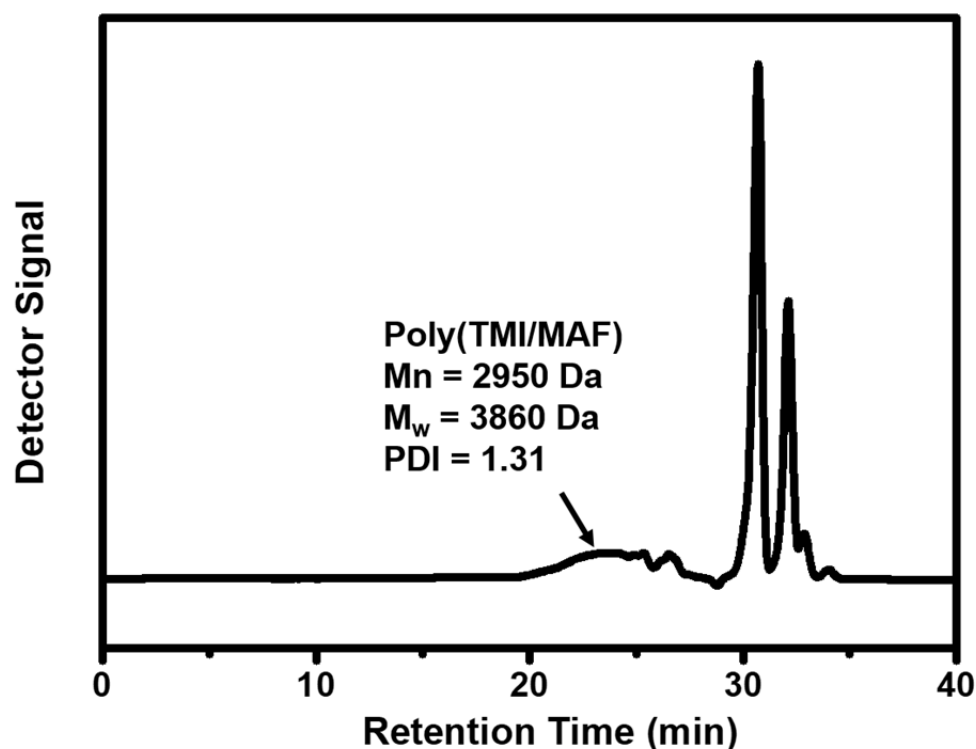


Figure S1. Molecular weights of Poly(TMI/MAF) was measured with a Gel permeation chromatography (GPC) using tetrahydrofuran as the mobile phase at a flow rate of 1 mL min⁻¹, which was equipped with a Waters 1515 isocratic pump, Waters 2414 refractive index detector, and Waters styragel HR4/HR3 columns. Monodispersed polystyrenes in various molecular weights were used as calibration standards.

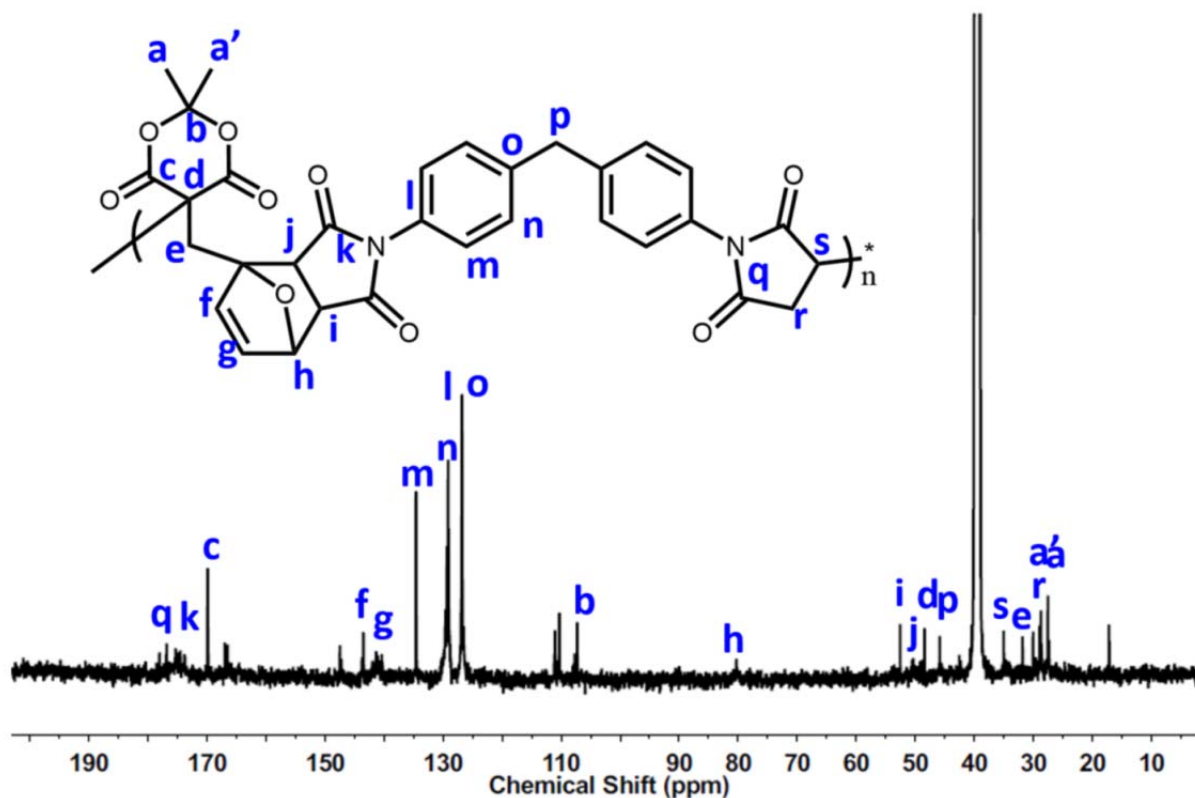


Figure S2. ^{13}C -NMR spectra of a Poly(BMI-II/MAF).

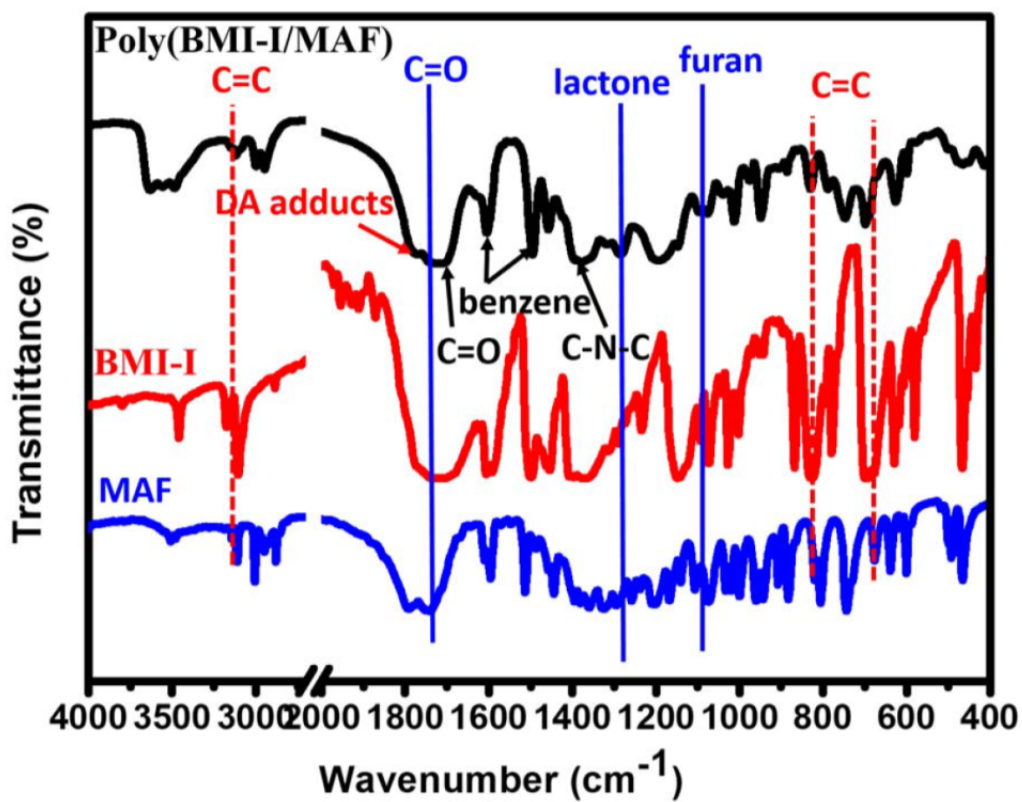


Figure S3. FTIR spectra of a Poly(BMI-I/MAF).

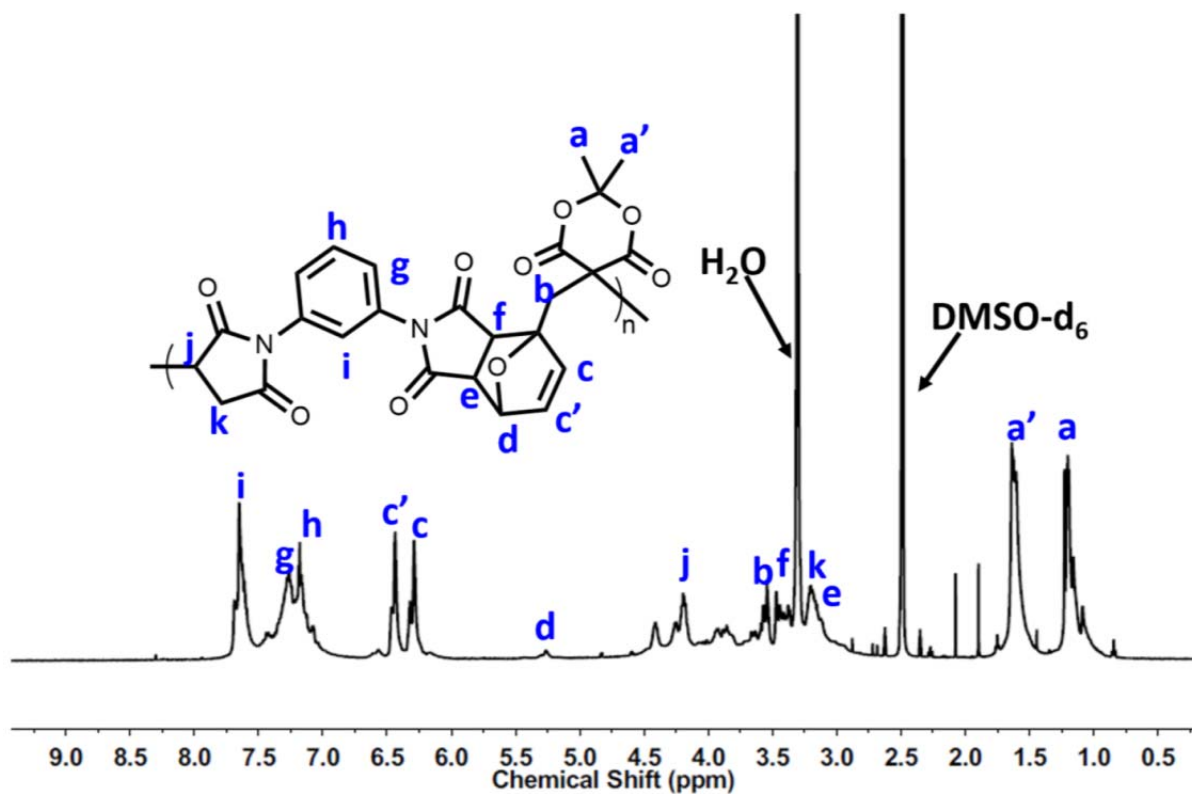


Figure S4. ^1H -NMR spectra of a Poly(BMI-I/MAF).

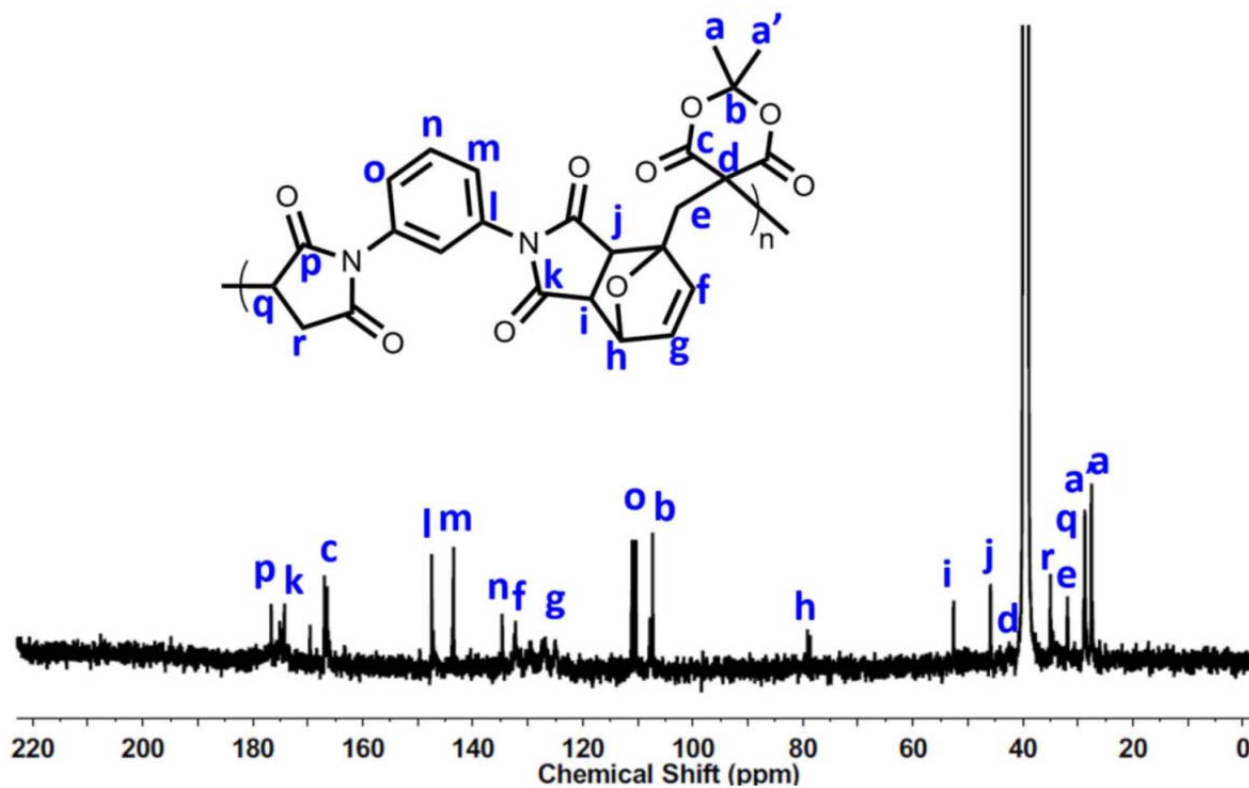


Figure S5. ^{13}C -NMR spectra of a Poly(BMI-I/MAF).

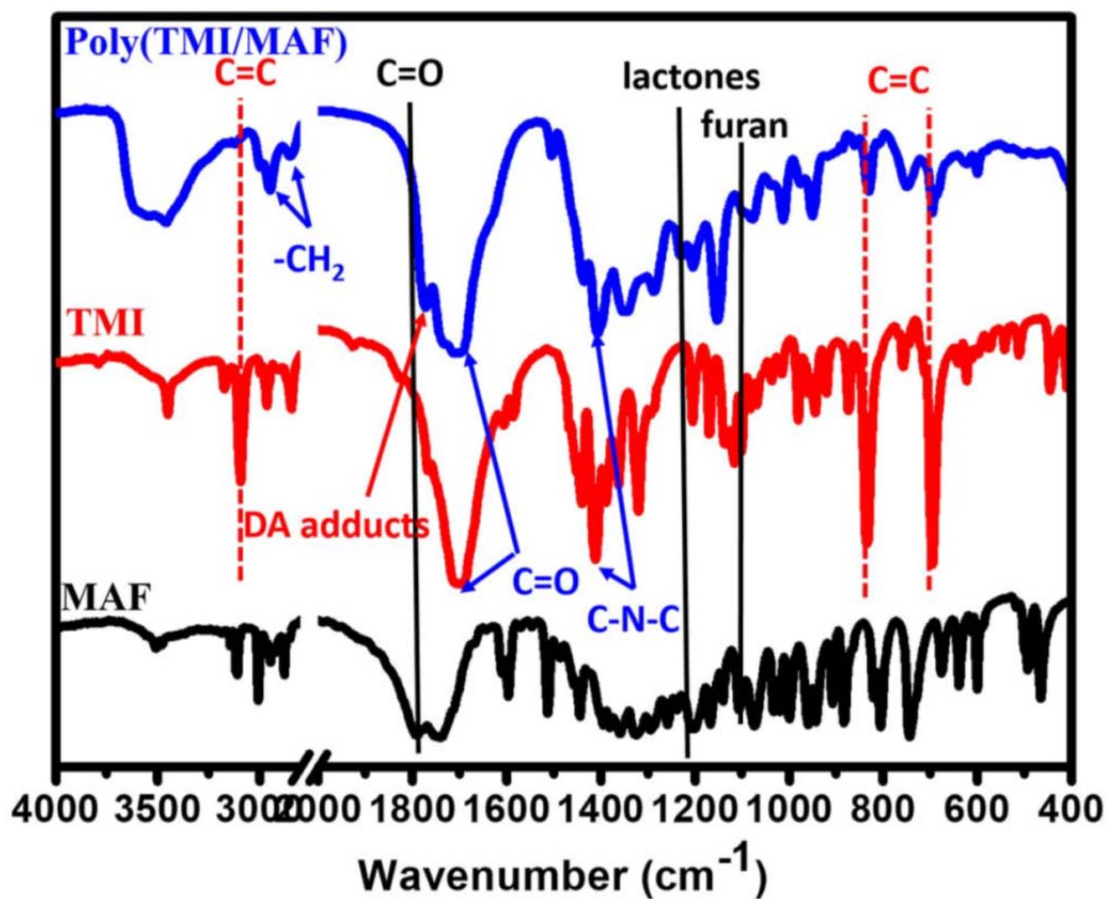


Figure S6. FTIR spectra of a Poly(TMI/MAF).

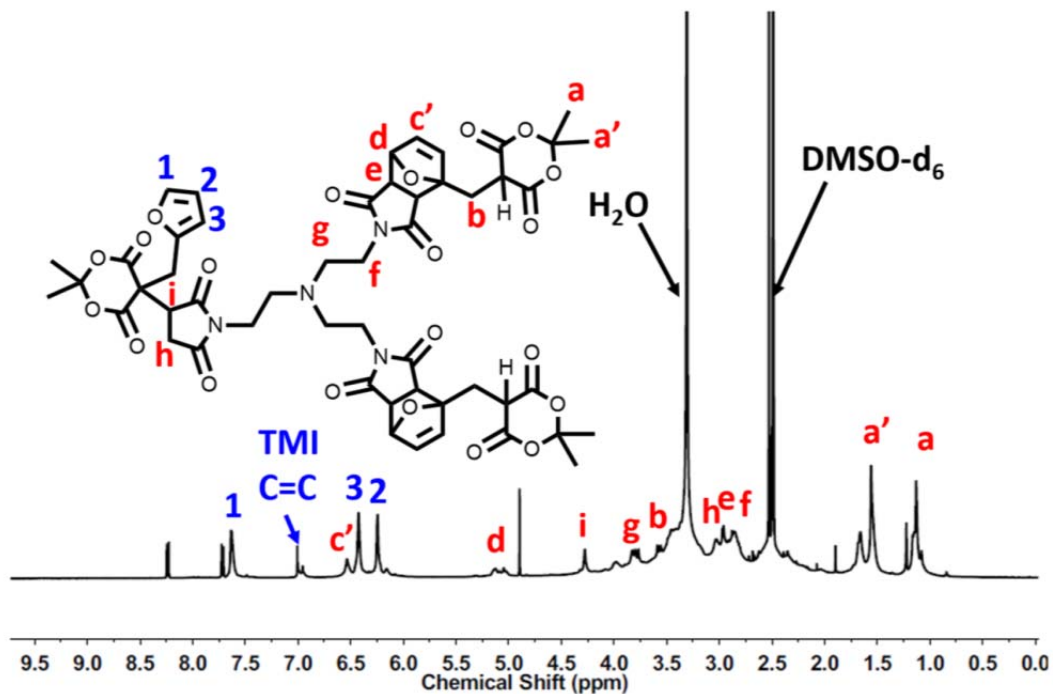


Figure S7. ¹H-NMR spectra of a Poly(TMI/MAF).

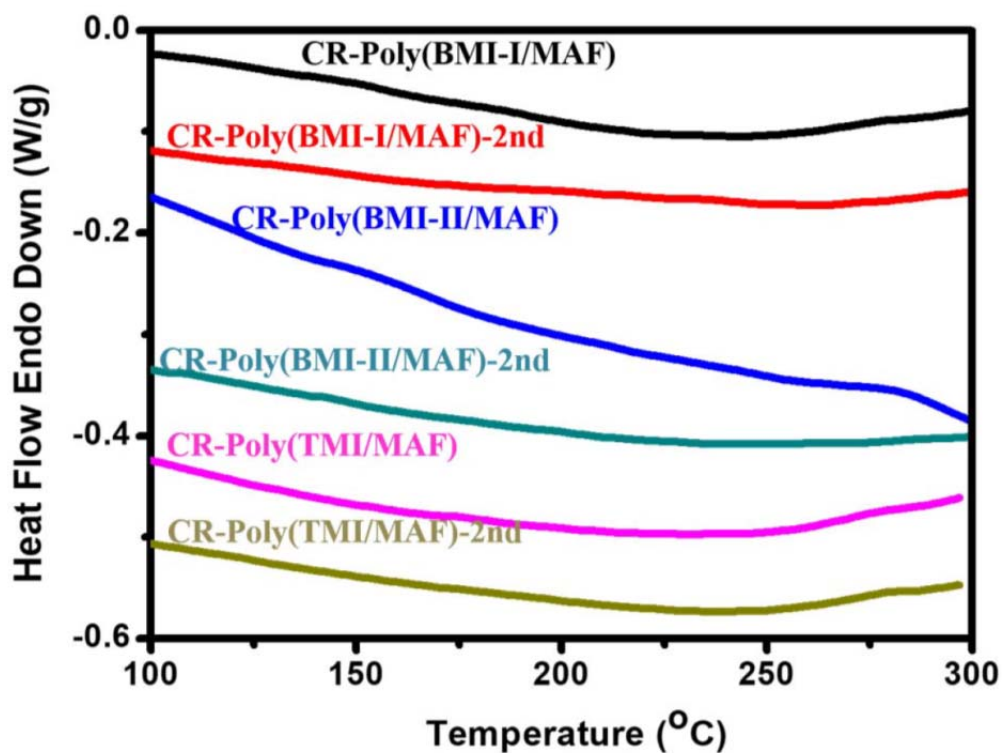


Figure S8. DSC thermograms of the corresponding crosslinked samples of MAF-based polymers.

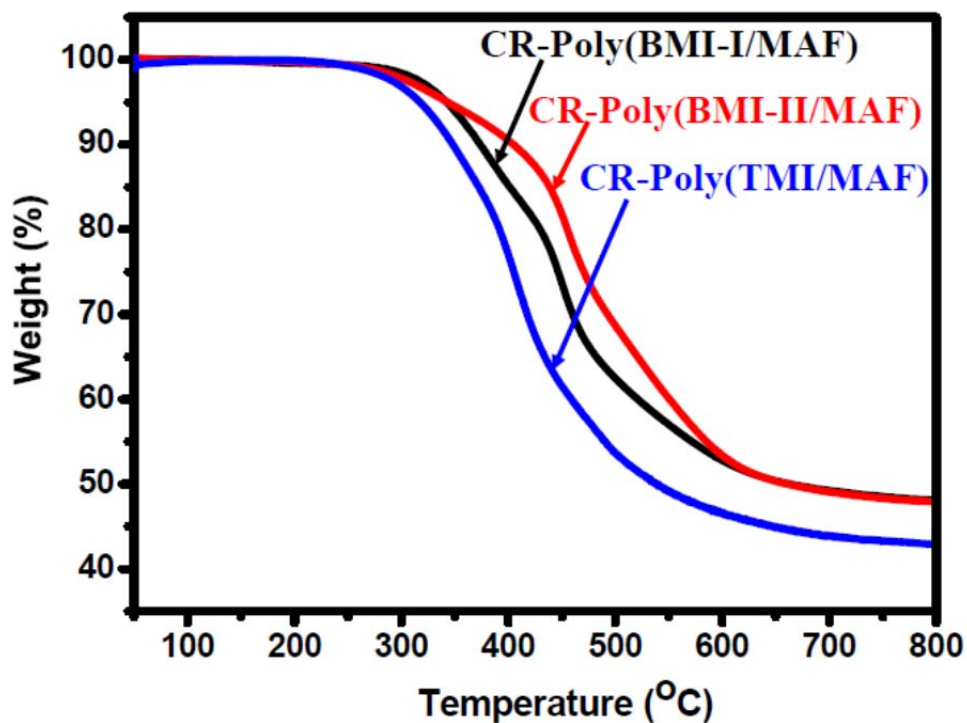


Figure S9. TGA thermograms of the corresponding crosslinked samples of MAF-based polymers.