

Electronic Supplementary Information (ESI) for:

Tracking side reactions of the inverse vulcanization process and developing monomer selection
guidelines

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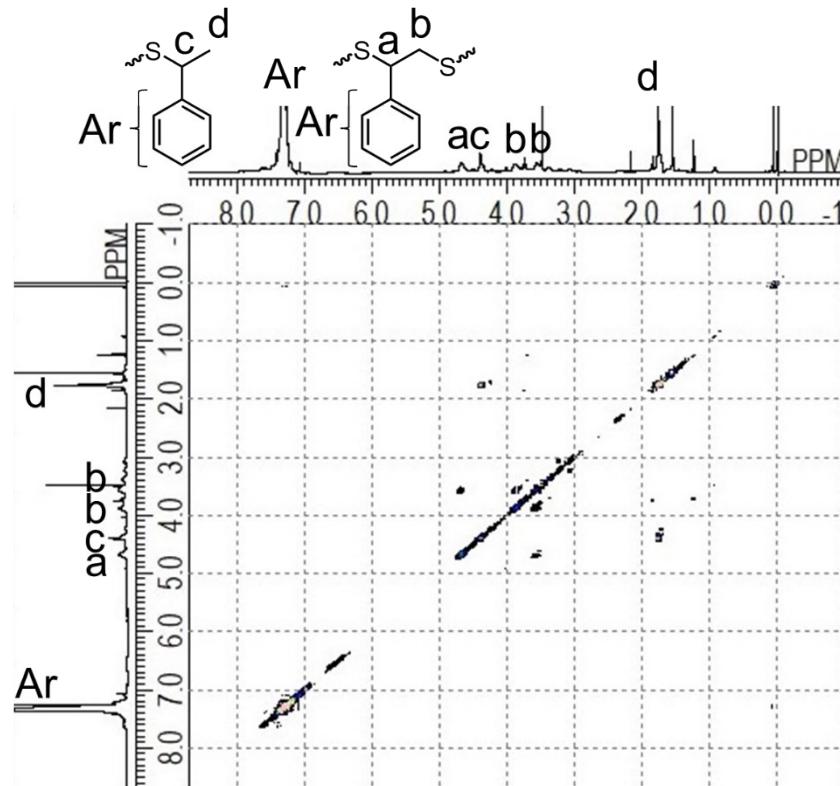


Figure S1. H-H COSY spectrum of Polymer B (400 MHz, CDCl_3 , r.t.).

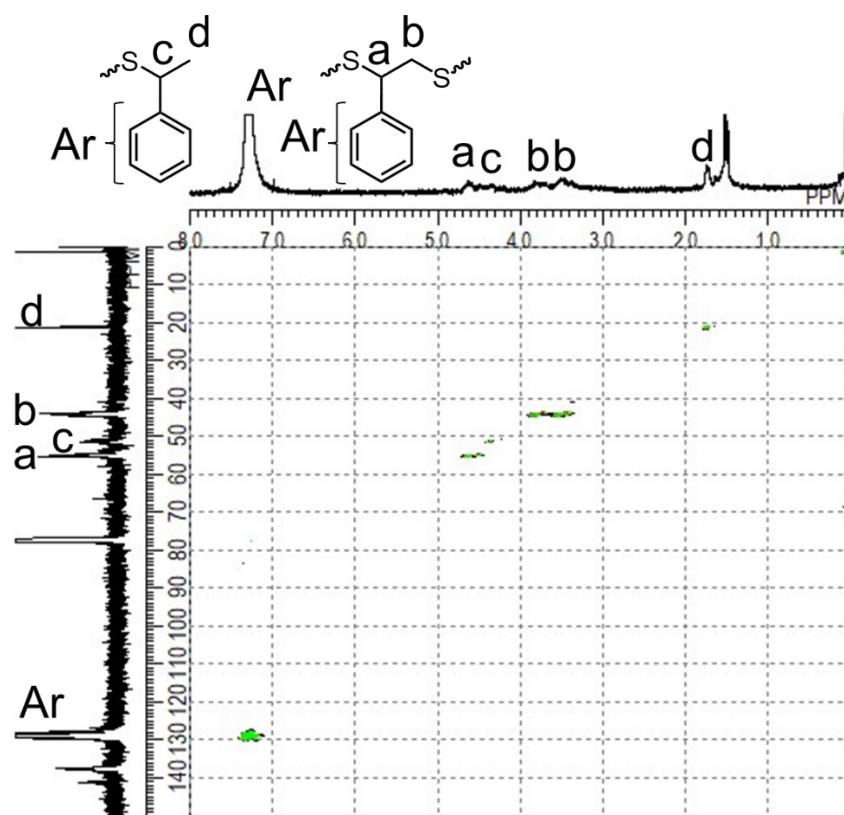


Figure S2. HSQC spectrum of Polymer B (400 MHz, CDCl₃, r.t.).

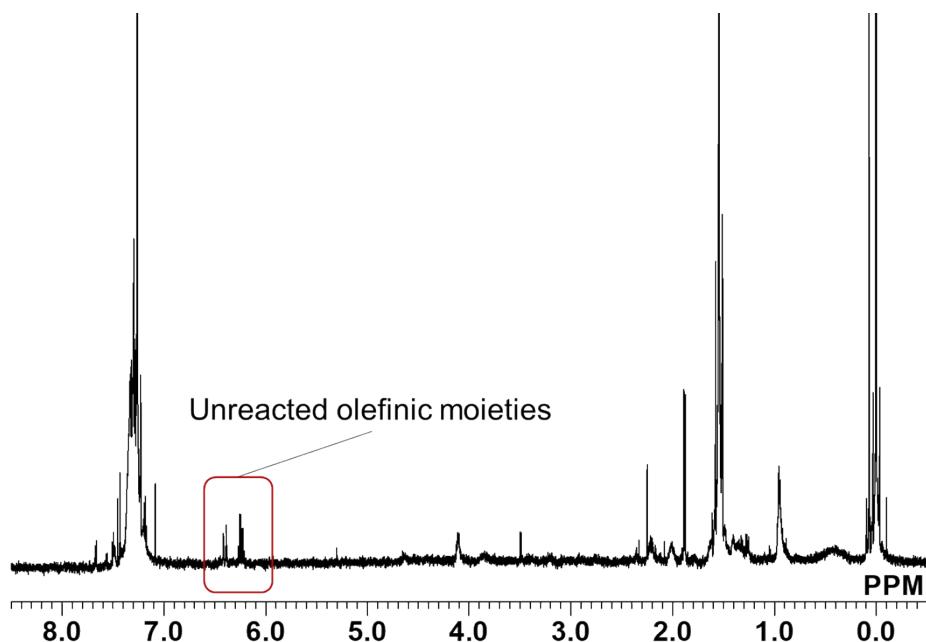


Figure S3. ¹H NMR spectrum of the crude product of the reaction of monomer D with S₈ (400 MHz, CDCl₃, r.t.).

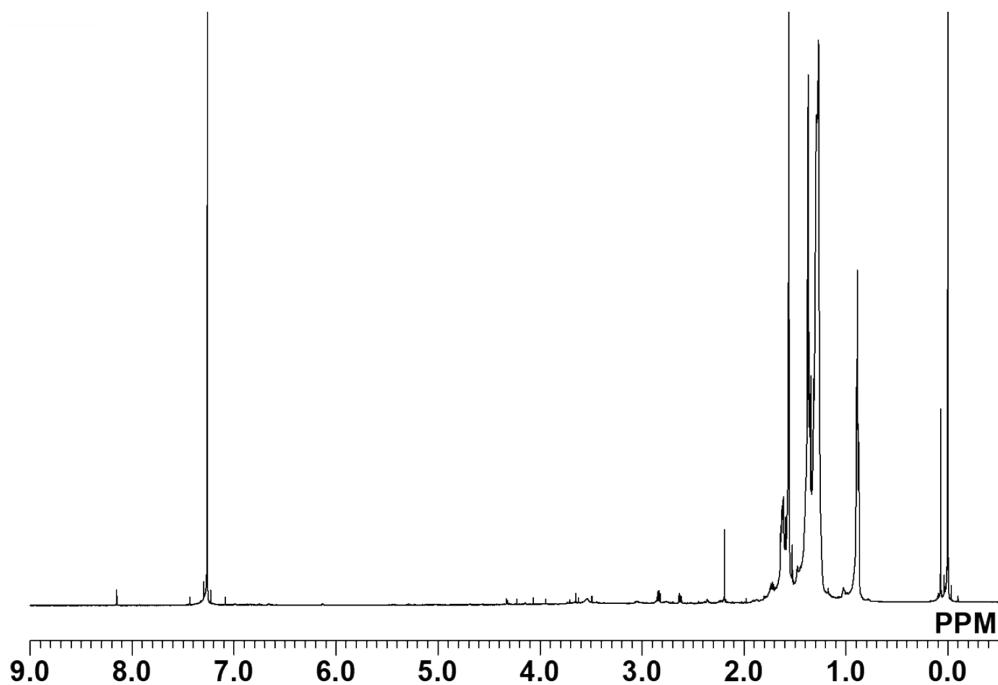


Figure S4. ¹H NMR spectrum of the crude product of the reaction of monomer E with S₈ (400 MHz, CDCl₃, r.t.).

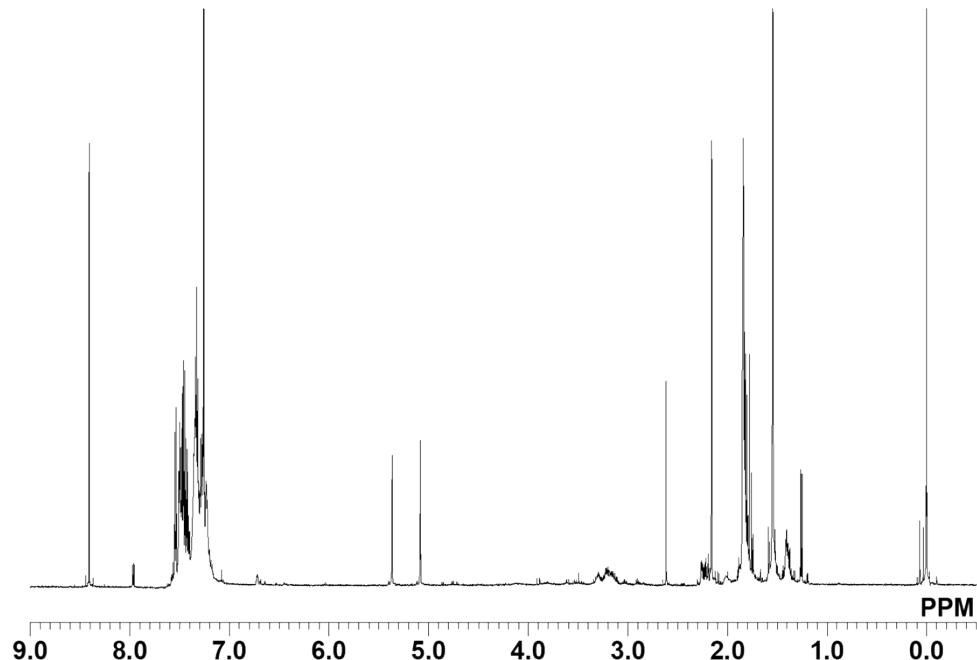


Figure S5. ¹H NMR spectrum of the crude product of the reaction of monomer F with S₈ (400 MHz, CDCl₃, r.t.).

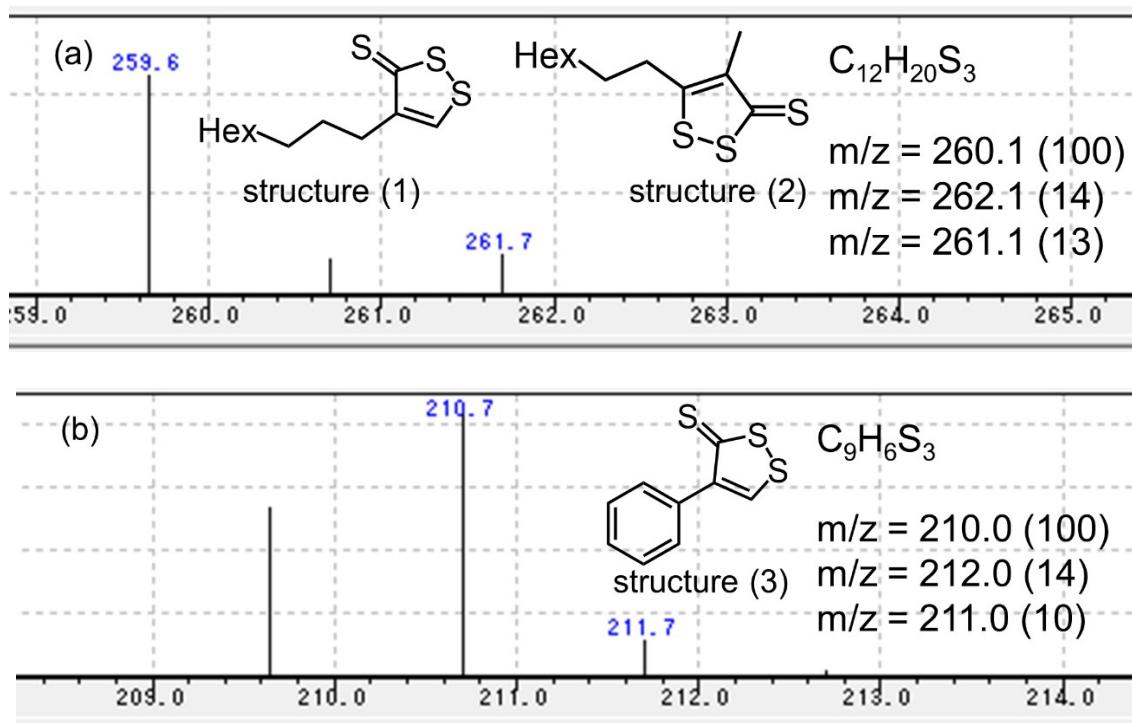


Figure S6. (a)GC-MS spectra of structure (1) and (2), (b) GC-MS spectrum of structure (3).