

Stimuli-responsive thiol-epoxy networks with photo-switchable bulk and surface properties

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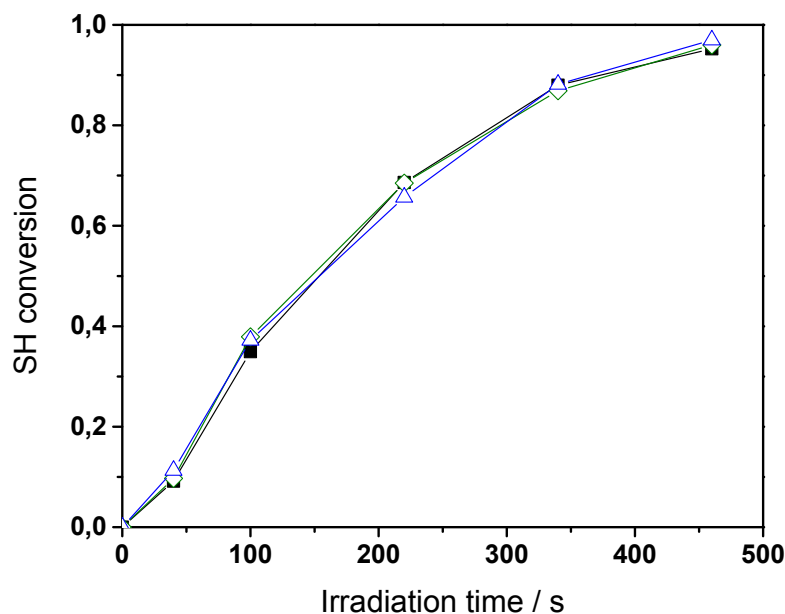


Figure S1 – Normalized depletion of the thiol absorption band (2580 cm^{-1}) versus illumination time (4 J/cm^2 , $\lambda > 400\text{ nm}$, air). Resin formulations contained varying amounts of epoxy-GME at a given PLB and ITX level of 4 wt%: **PI4** (solid squares); **PI4-G5** (open diamonds) and **PI4-G7** (open triangles).

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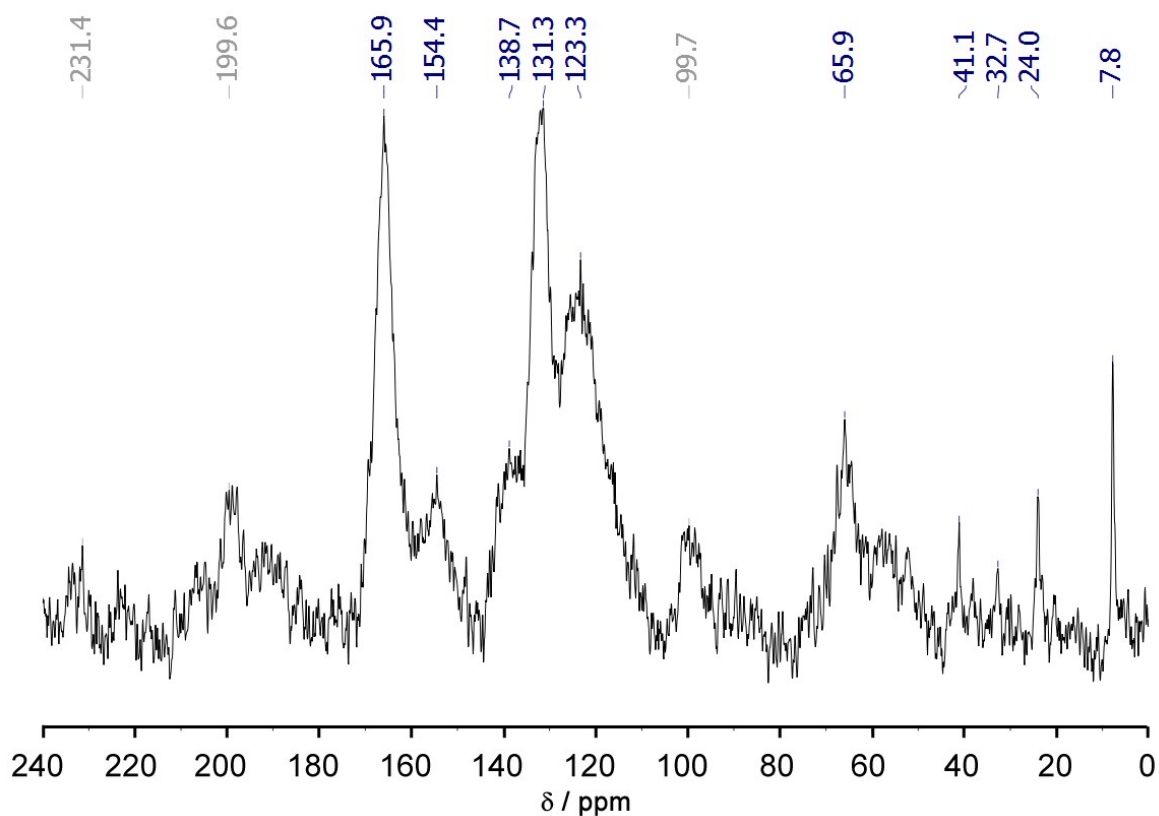


Figure S2 – ^{13}C CP/MAS solid state NMR of crosslinked **PI4-G5** acquired on 600 MHz solid state NMR. Sample was spun at 10 kHz. Chemical shift of signals belonging to the formulation components are marked in blue, spinning side bands are marked in grey.

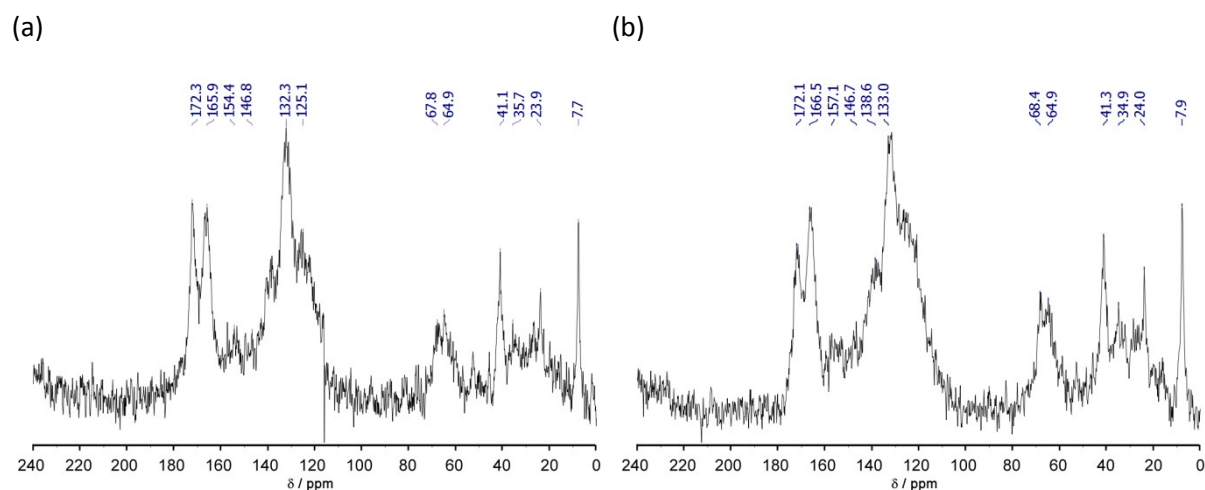


Figure S3 – ^{13}C CP/MAS solid state NMR of crosslinked **PI4-G5** illuminated with a low UV exposure dose (100 J/cm^2) acquired on 600 MHz solid state NMR. Sample was spun at 16 kHz. UV irradiation were carried under (a) air or (b) nitrogen.

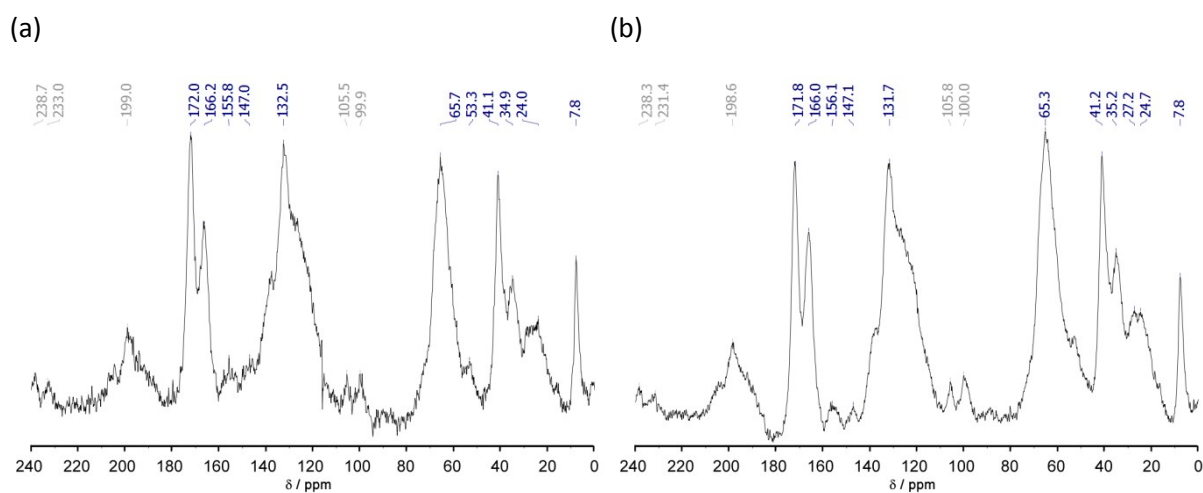


Figure S4 – ^{13}C CP/MAS solid state NMR of crosslinked **PI4-G5** illuminated with a high UV exposure dose ($300 \text{ J}/\text{cm}^2$) acquired on 600 MHz solid state NMR. Sample was spun at 16 kHz. UV irradiation were carried under (a) air or (b) nitrogen. Chemical shift of signals belonging to the network and cleavage products are marked in blue, spinning side bands are marked in grey.