

## Supplementary Information

### Microstructure formation in epoxy-based systems studied using Small Angle Neutron Scattering

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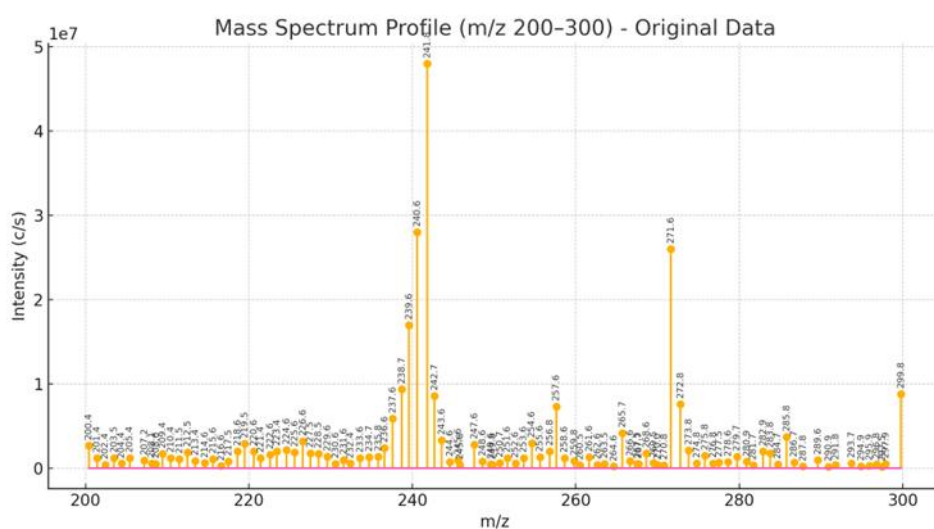


Figure S1. Mass Spectrum Profile (m/z 200–300) of the deuterated IL with Peak Labels.

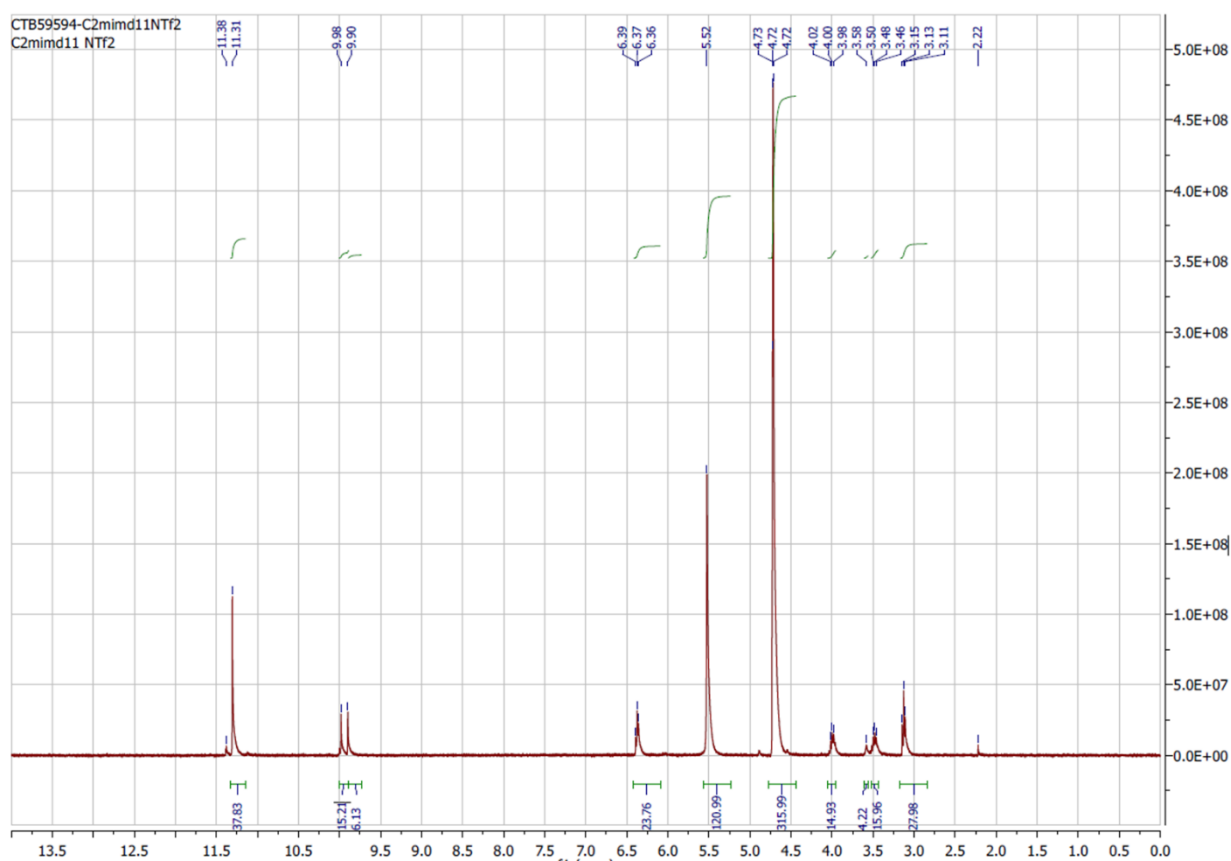


Fig S2.  $^1\text{H}$  NMR spectra of the d-IL in d-DMSO.

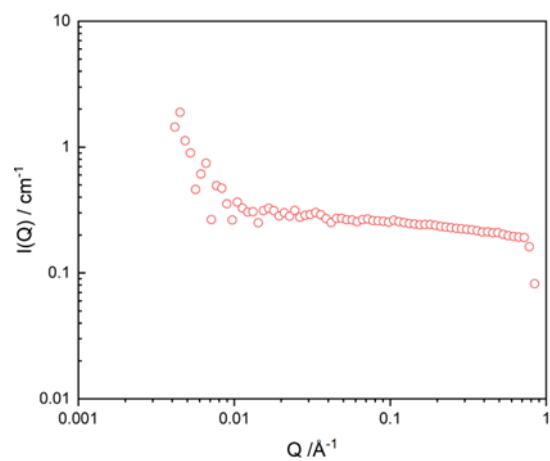


Figure S3. SANS curves for a block copolymer solution in h-IL.

Table S1. SDL values for compounds used

Chemicals	Formula	SDL/ $\text{\AA}^{-2} \times 10^6$
DGEBA	$\text{C}_{21}\text{H}_{24}\text{O}_4$	1.29
iPDA	$\text{C}_{10}\text{H}_{22}\text{N}_4$	0.657
IL	$\text{C}_8\text{H}_{11}\text{O}_4\text{N}_3\text{F}_6\text{S}_2$	2.38
d-IL	$\text{C}_8\text{D}_{11}\text{O}_4\text{N}_3\text{F}_6\text{S}_2$	4.88

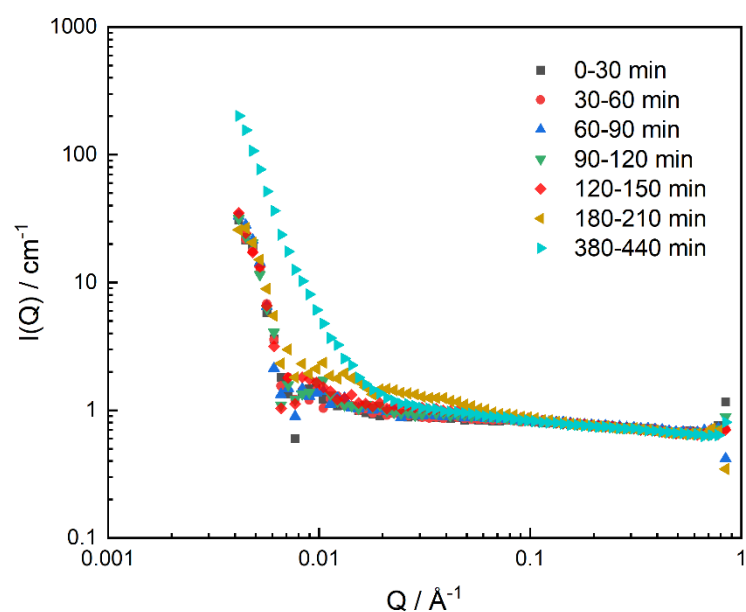


Figure S4. SANS data for EPhIL as a function of curing time. The sample consists of epoxy, iPDA in a h-IL. EP:iPDA = 4:1 wt./wt.; [IL]= 40 vol%.