

Supplementary Information

New Photoresponsive Poly(meth)acrylates Bearing Azobenzene Moieties Obtained via ATRP Polymerization Exhibiting Liquid-Crystalline Behavior

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Table S2. Peak positions and characteristic length scales derived from poly(AzoMA) diffractograms collected at room temperature.

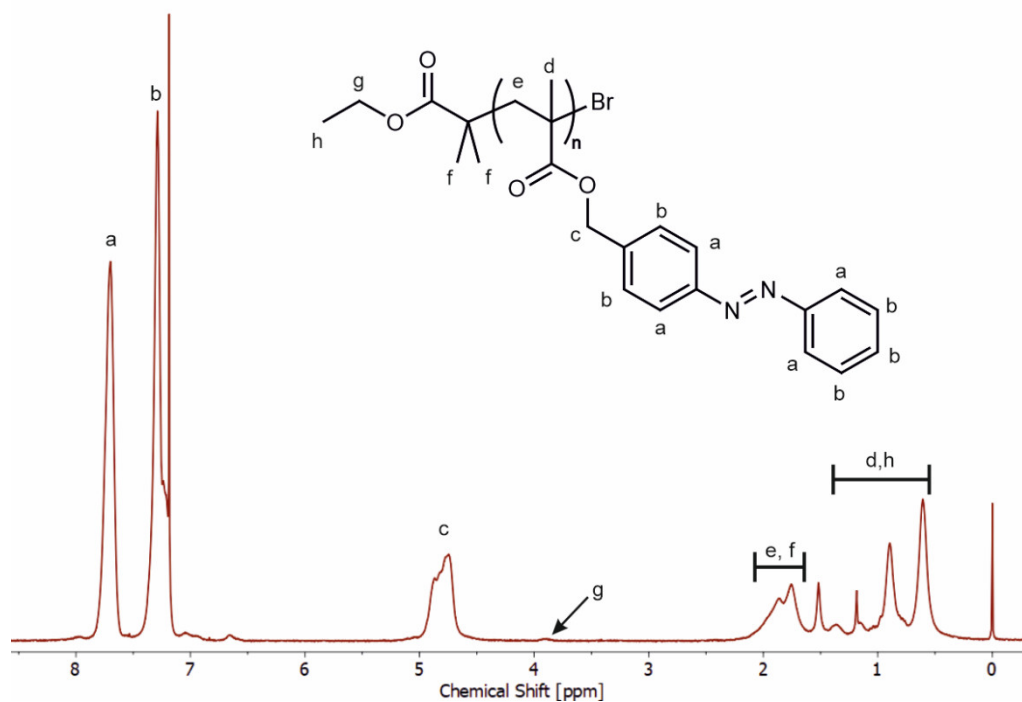


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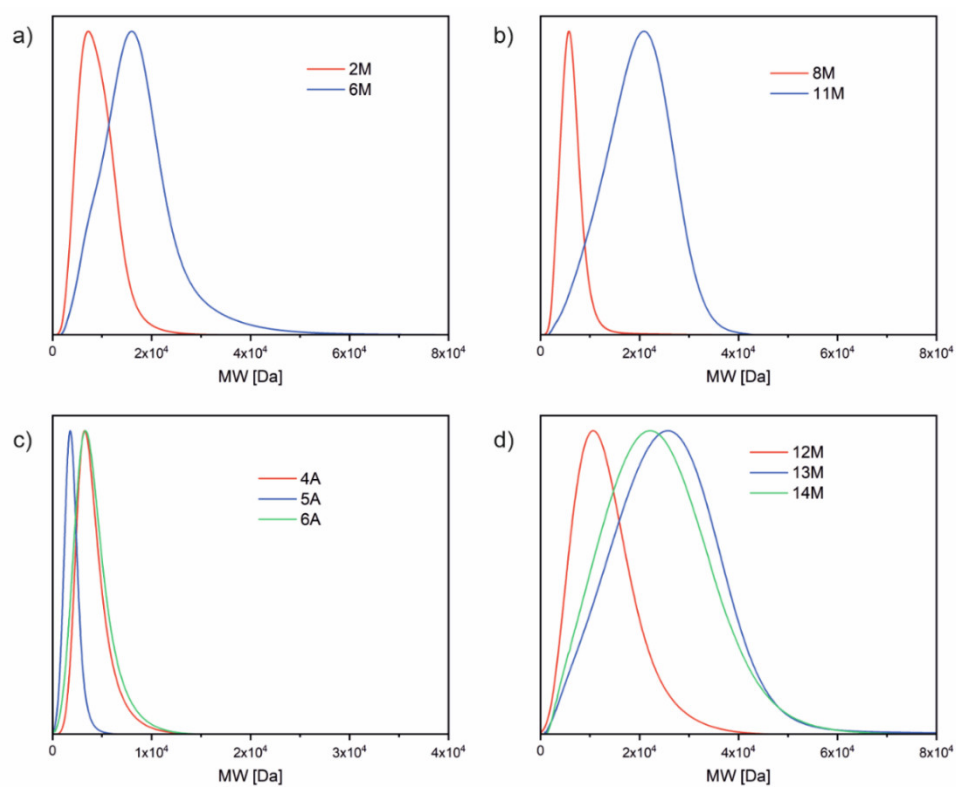


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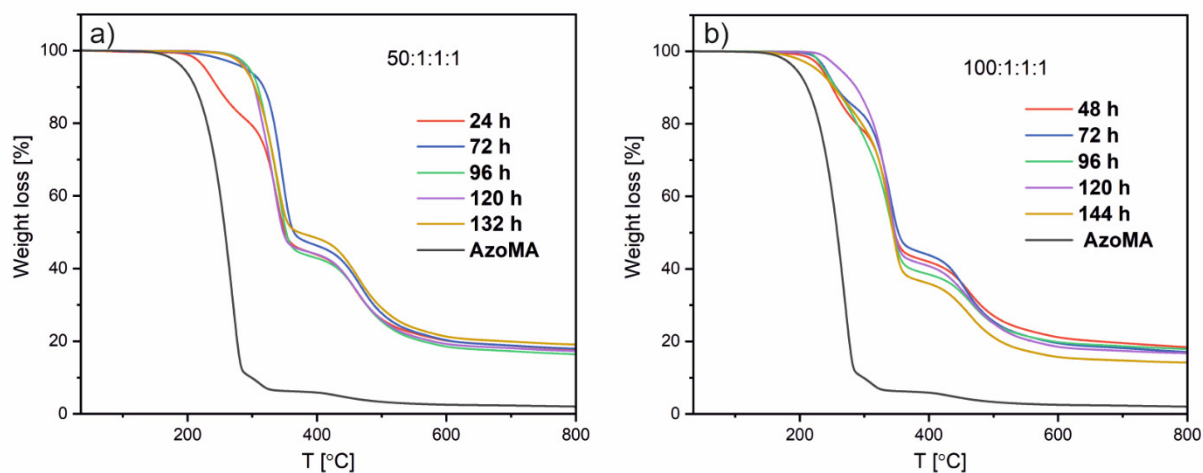


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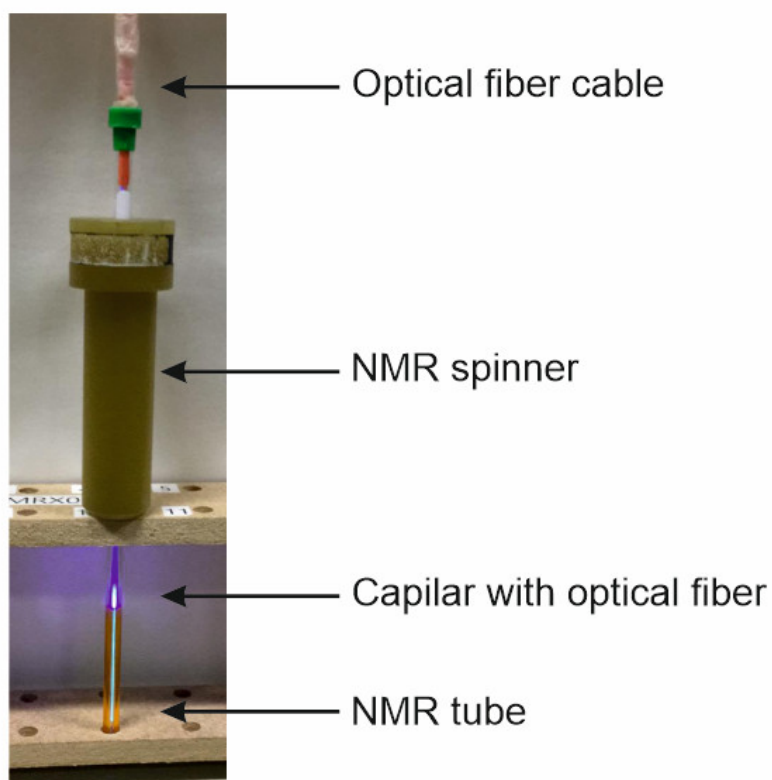


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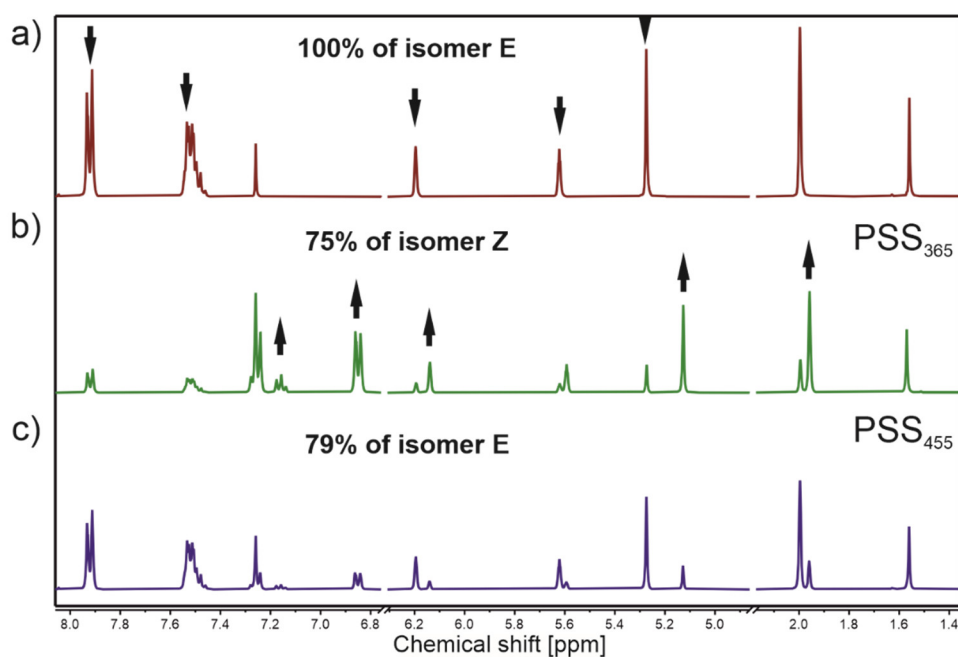


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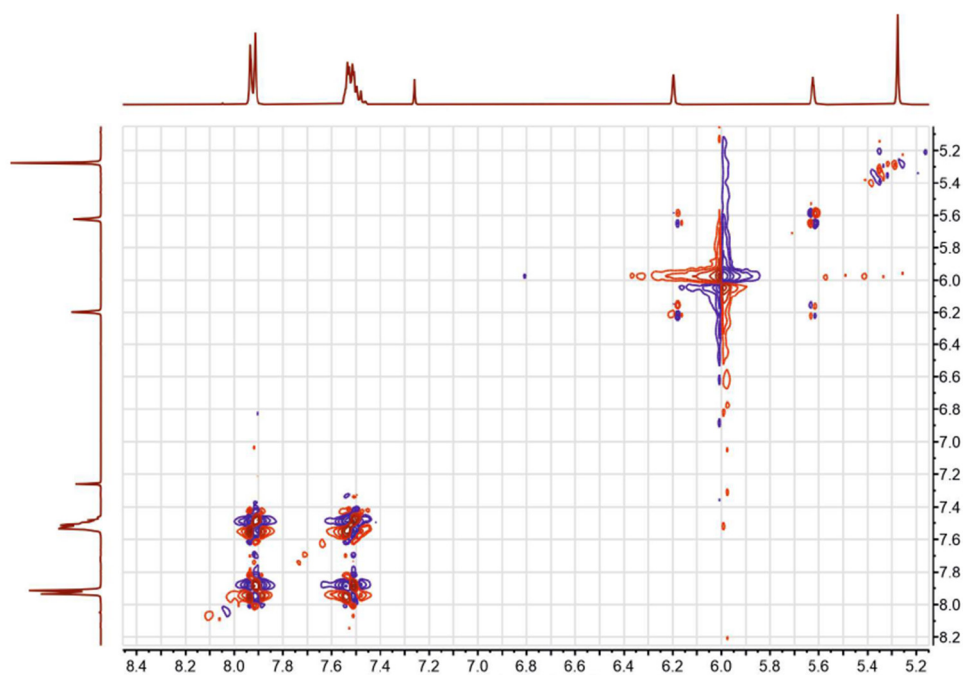


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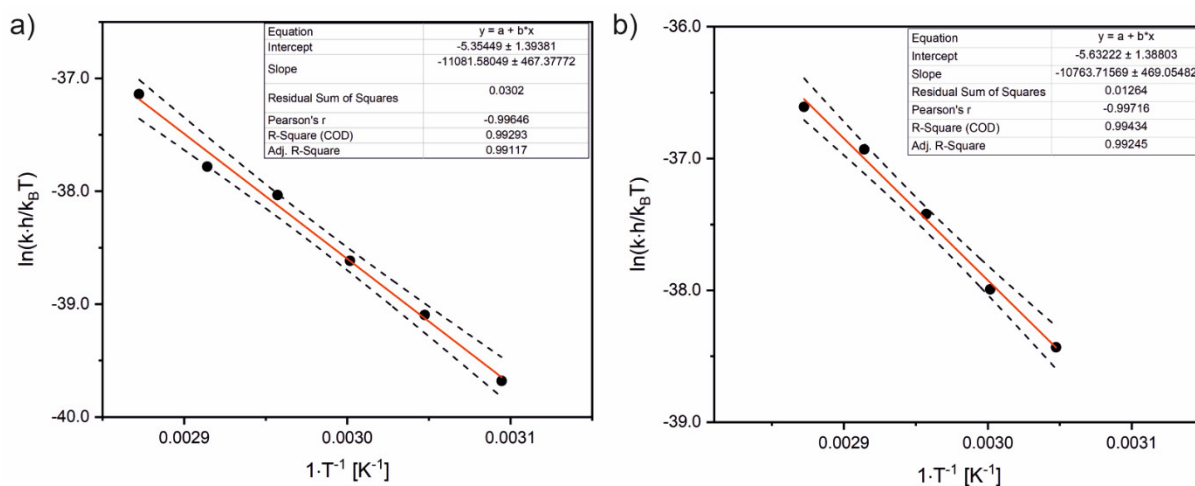


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	ΔG^\ddagger	$k \cdot 10^{-6}$	$t_{1/2}$
	[kJ·mol ⁻¹]	[s ⁻¹]	[days]
AzoMA	105.2±1.4	1.09±0.09	7.3±0.6
Poly(AzoMA) / 4M	103.2±1.7	2.45±0.59	3.3±0.2

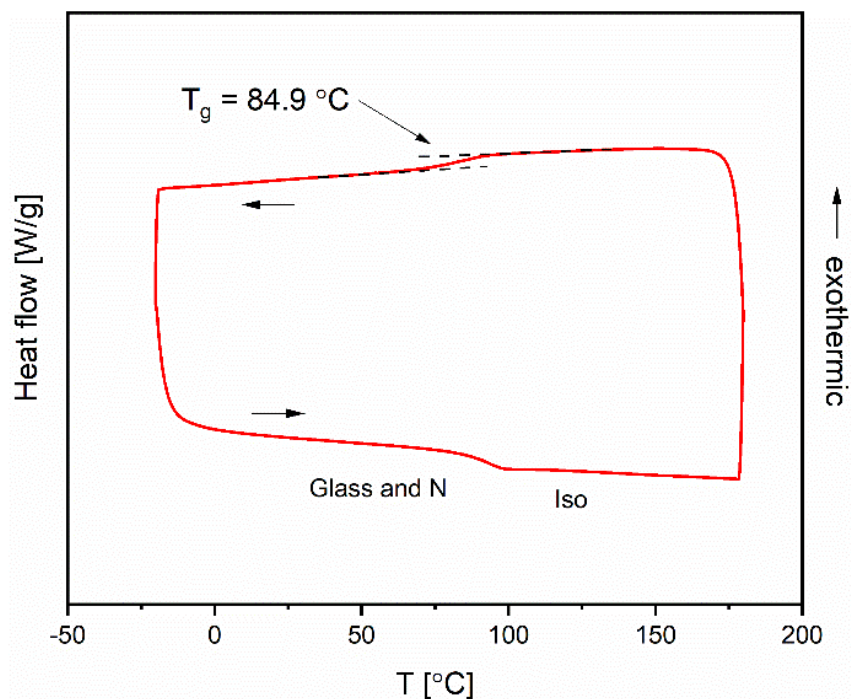


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	Peak LC	Peak W
	2θ [°] (d [Å])	2θ [°] (d [Å])
Poly(AzoMA) / 7M	4.9 (18.1)	19.9 (4.5)
Poly(AzoMA) / 4M	4.7 (18.9)	18.1 (4.9)
Poly(AzoMA) / 10M	4.6 (19.2)	18.2 (4.9)