

## Supplementary Information

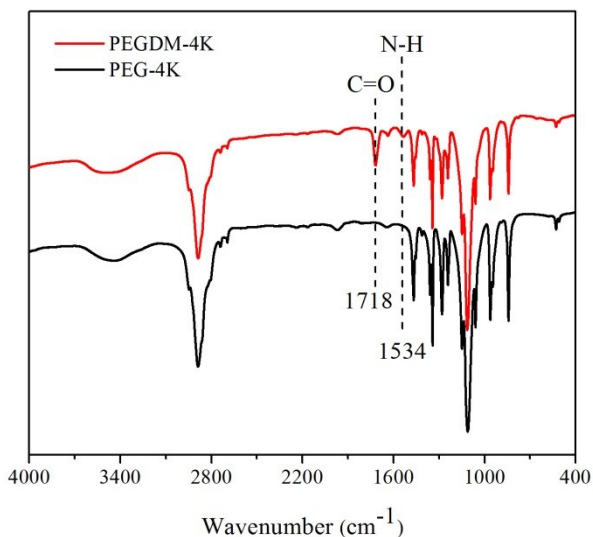


Figure S1. FTIR spectra of PEG-4k and PEGDM-4k.

Table S1. Gel fraction and swelling ratio of single PEG-containing networks.

Network	Gel fraction (%)	Swelling ratio (%)
PEG-2k	86.7	276.6
PEG-4k	76.1	454.7
PEG-6k	69.1	512.5
PEG-10k	46.0	724.4

Table S2. DSC results of single PEG-containing networks

Network	Run	T <sub>onset</sub> (°C)	T <sub>p</sub> (°C)	T <sub>end</sub> (°C)	ΔH (J/g)	X (%)
PEG-2k	heating	1.4	22.8	31.6	26.2	12.8
	cooling	-12.1	-25.6	-30.2		
PEG-4k	heating	12.9	34.7	45.1	51.6	25.2
	cooling	11.2	2.3	-13.6		
PEG-6k	heating	16.4	38.8	48.3	56.7	27.6
	cooling	23	10.9	-2.5		
PEG-10k	heating	25.5	53.1	63.8	76.8	37.5
	cooling	33.5	24.9	7.7		