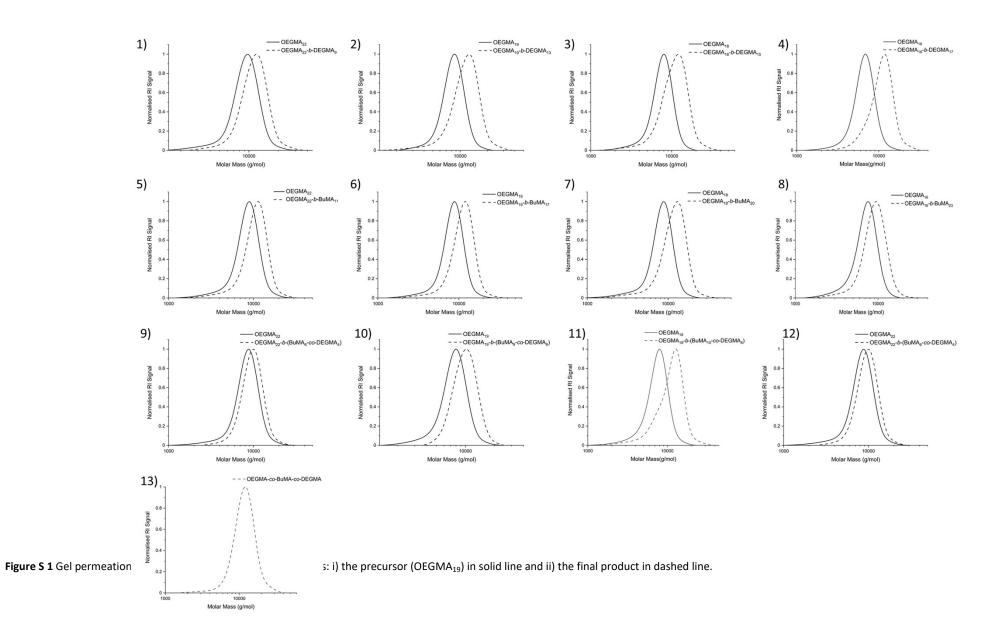
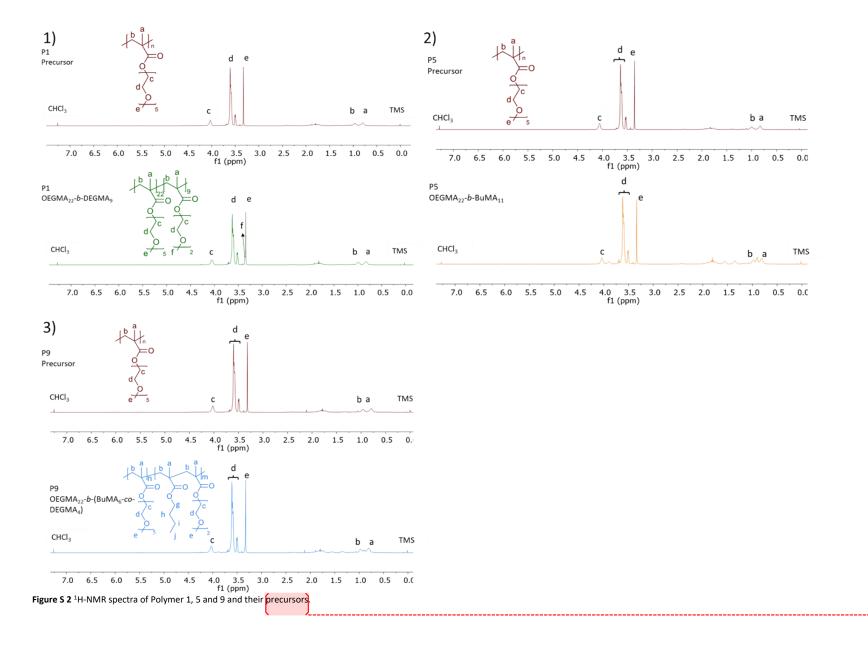
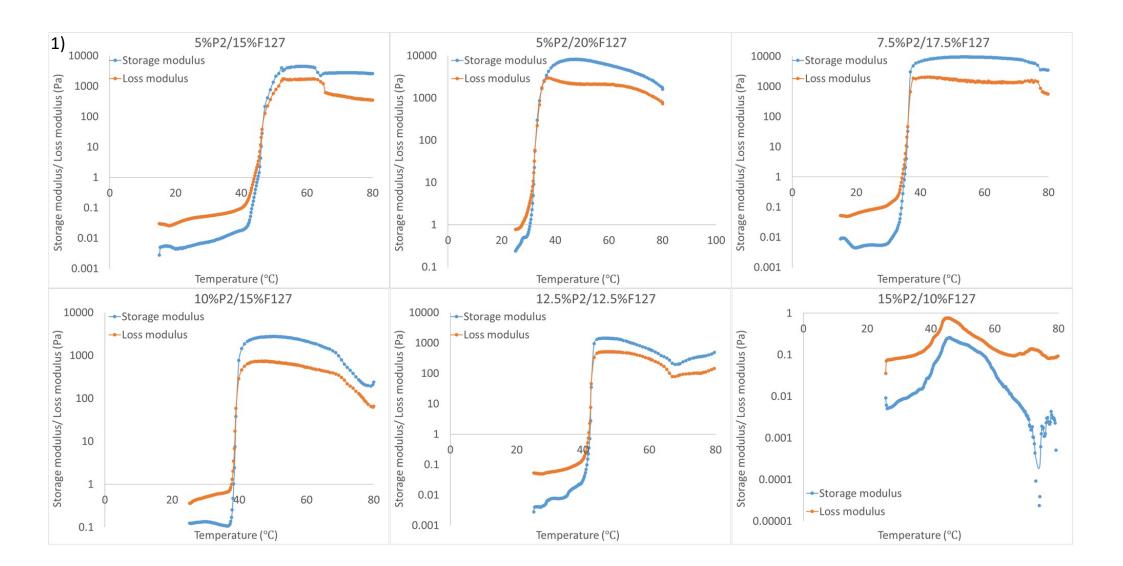
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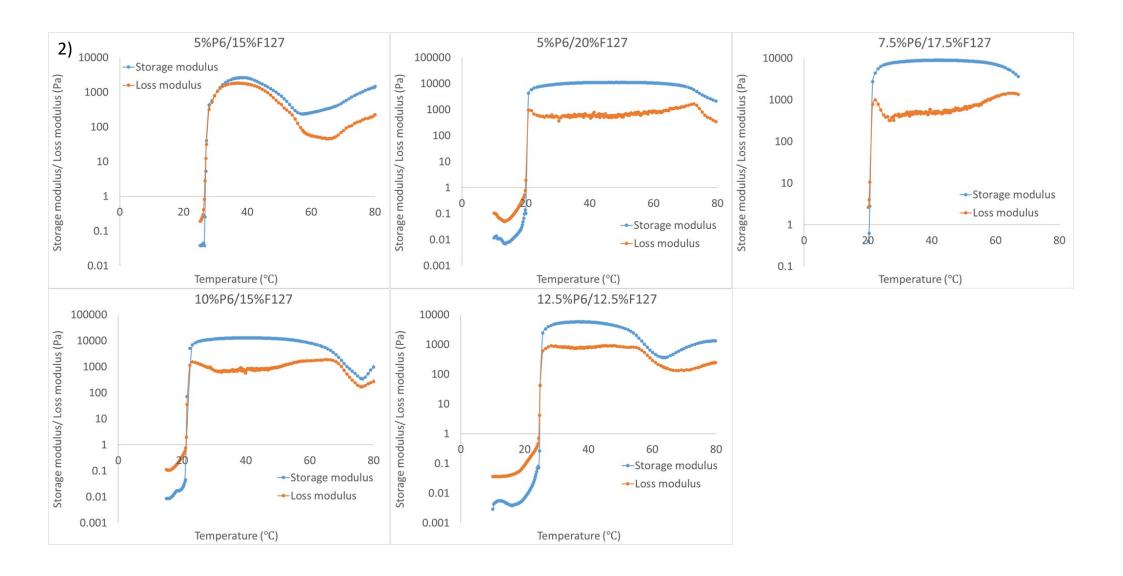
Supplementary information: Thermoresponsive Oligo(ethylene glycol) Methyl Ether Methacrylate based Copolymers: Composition and Comonomer Effect





Comment [CA]: Why QL-C-P1? I know that this is for Qian Li C polymer series, but for the paper, this is irrelevant. Perhaps just delete and keep the number of polymer only to prevent confusion to the audience.





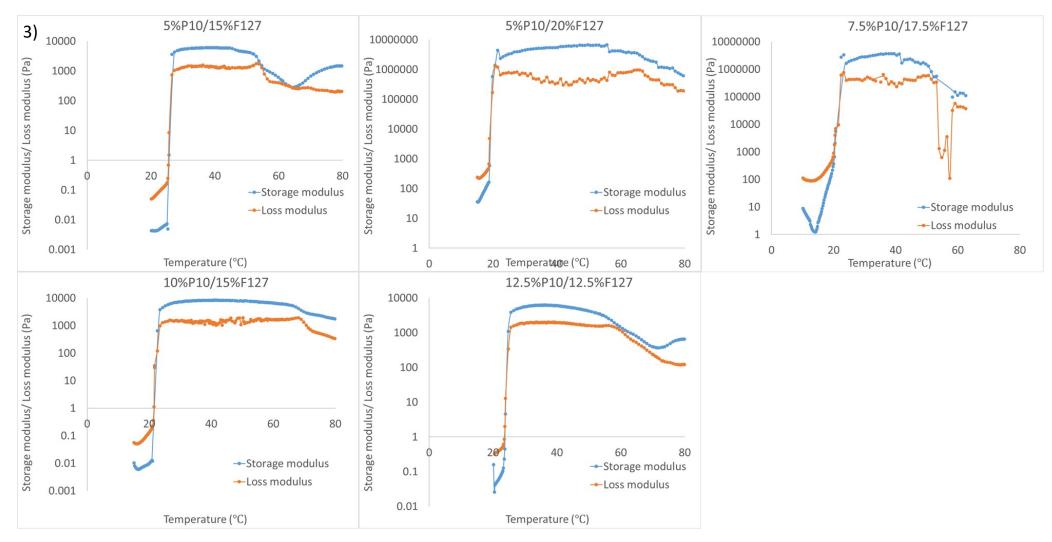


Figure S 3 Rheological results of temperature ramp measurements performed on mixtures of 1) $OEGMA_{19}$ -b- $DEGMA_{19}$ -b-DE

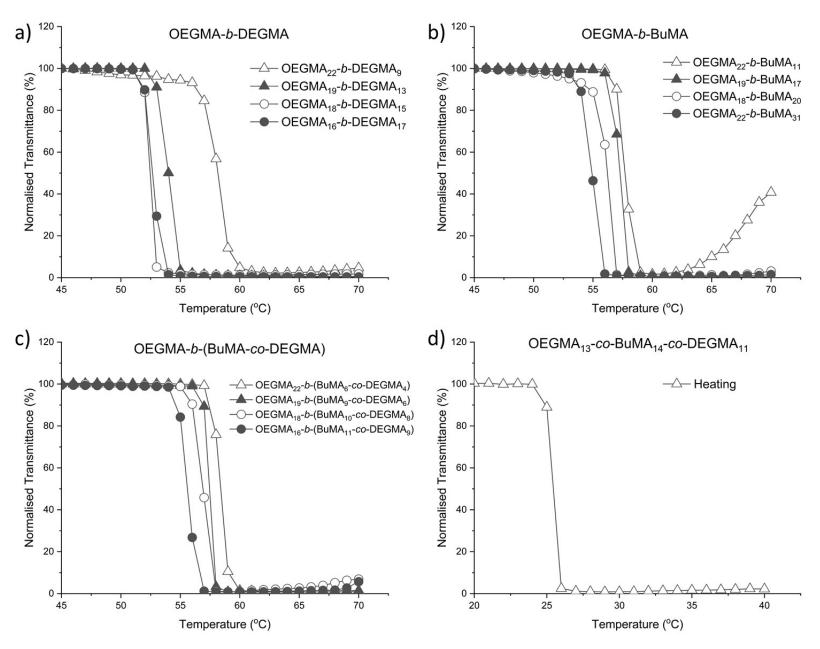


Figure S 4 Heating curves of a) OEGMA-b-DEGMA; b) OEGMA-b-BuMA; c) OEGMA-b-(BuMA-co-DEGMA); and d) OEGMA₁₃-co-BuMA₁₄-co-DEGMA₁₁.

Table S1 The gelation temperatures of the mixtures of Pluronic®F127 and copolymers with a constant total concentration (25% w/w).

Concentration of pluronic / copolymer (wt%)	Tagel (±2°C)							
	PEGMA ₁₉ -b-DEGMA ₁₃		PEGMA ₁₉ -b-BuMA ₁₇		PEGMA ₁₉ -b-(BuMA ₉ -co-DEGMA ₆)			
5/20	N/A	N/A	N/A	N/A	N/A	N/A		
10/15	42	44	N/A	N/A	N/A	N/A		
12.5/12.5	39	40	26	25	24	25		
15/10	37	38	22	21	23	23		
17.5/7.5	34	35	22	21	21	21		
20/5	31	32	21	20	21	21		

^aThe left column is the result of the visual test; the right column is the result of the rheological measurement.

Table S2. The gelation temperatures of the mixtures of 20 wt% Pluronic®F127 and 5% w/w of copolymers.

Concentration of pluronic (wt%) _	Tagel (°C)								
	PEGMA ₁₉ -b-DEGMA ₁₃		PEGMA ₁₉ - <i>b</i> -BuMA ₁₇		PEGMA ₁₉ -b-(BuMA ₉ -co-DEGMA ₆)				
5	N/A	N/A	N/A	N/A	N/A	N/A			
10	N/A	N/A	N/A	N/A	N/A	N/A			
15	45	45	29	28	26	25			
20	31	32	21	20	21	21			

^aThe left column is the result of the visual test; the right column is the result of the rheological measurement.