

Supplementary Information

Formation of Giant Polymer Vesicles by Simple Double Emulsification using Block Copolymers as the Sole Surfactant

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Table S1. Information about the copolymers used to form vesicles.

copolymer (M_n)	BD addition type	BD units	EO units	PDI
1200-600	1,2	22	14	1.17
4000-2000	1,2	74	45	1.12
6100-3200	1,2	113	73	1.07

BD: butadiene; EO: ethylene oxide. M_n: number average molecular weight. PDI: M_w/M_n

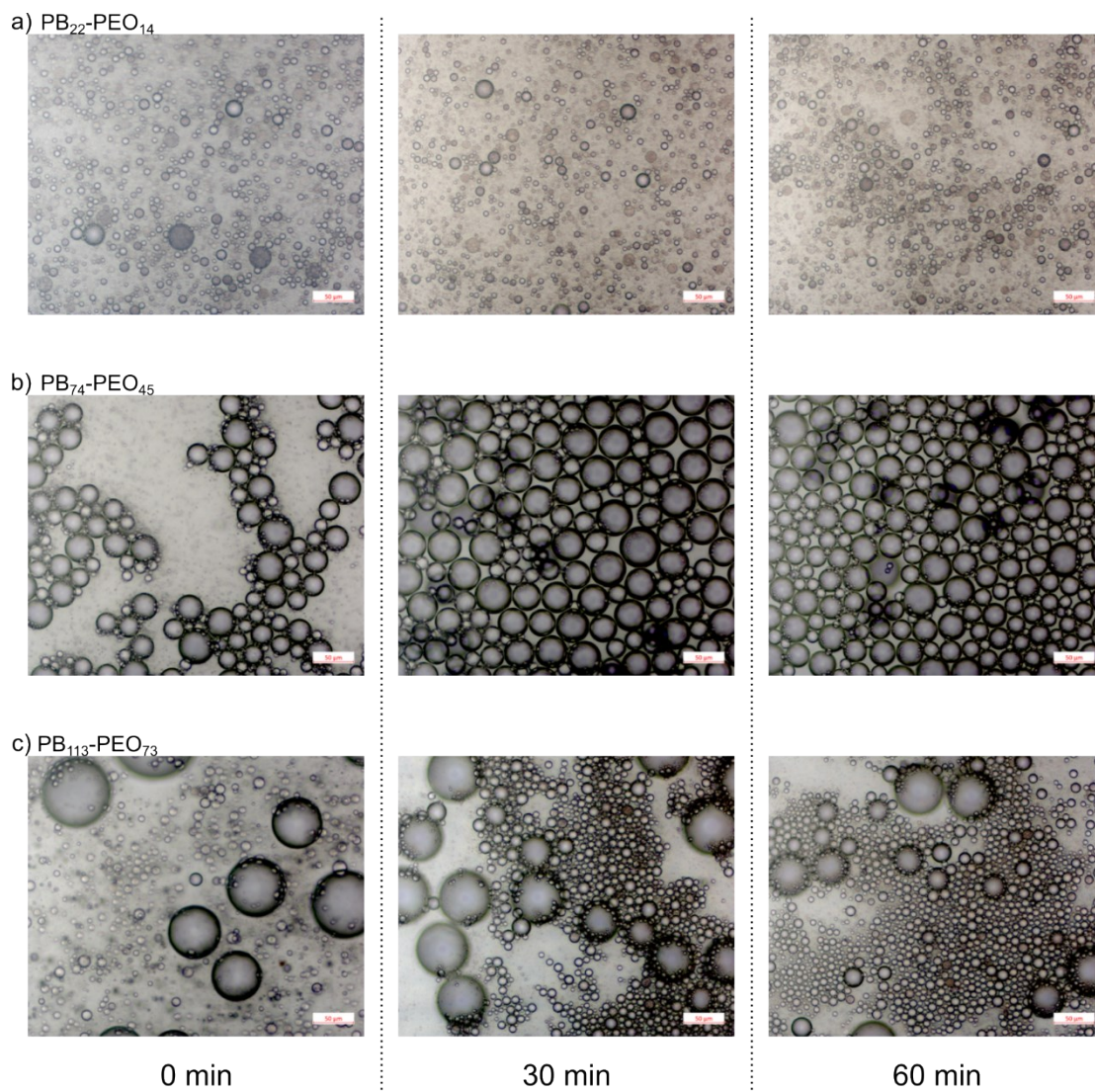


Fig. S1 Micrographs of W/O droplets at 20 g L⁻¹ at different times. Scale bars: 50 μm

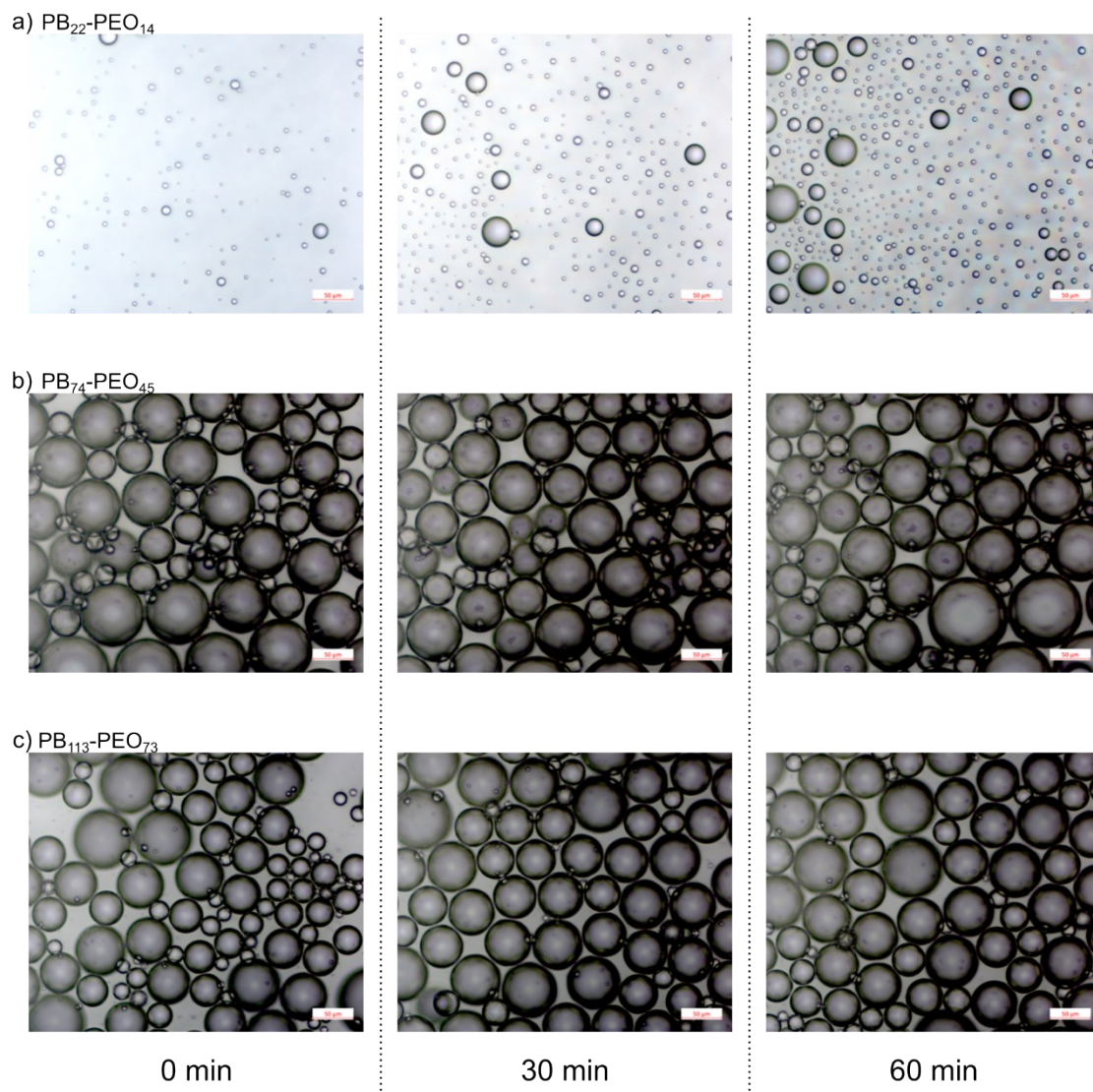


Fig. S2 Micrographs of W/O droplets at 1 g L⁻¹ at different times. Scale bars: 50 μm

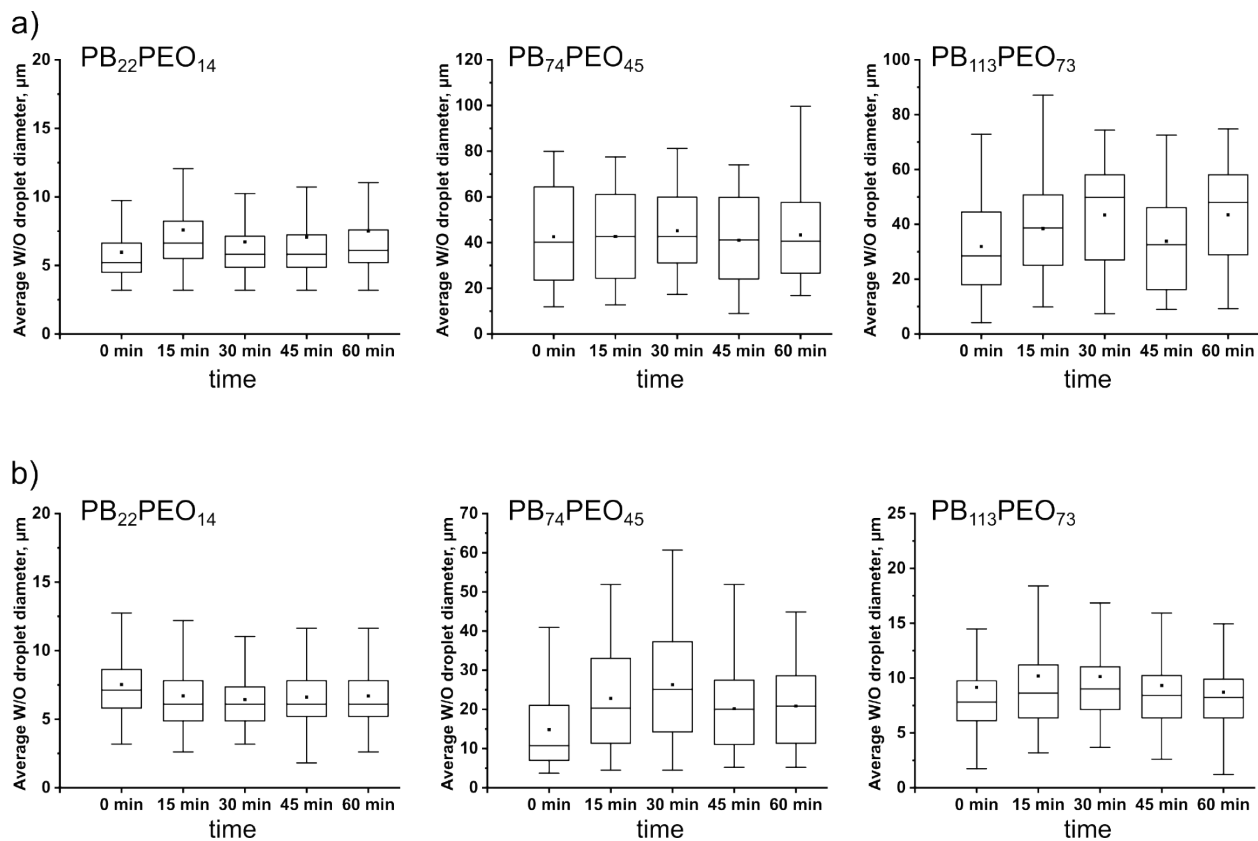


Fig. S3 Size distribution of W/O droplets determined at different times for copolymer concentrations at a) 1 g L⁻¹, b) 20 g L⁻¹.

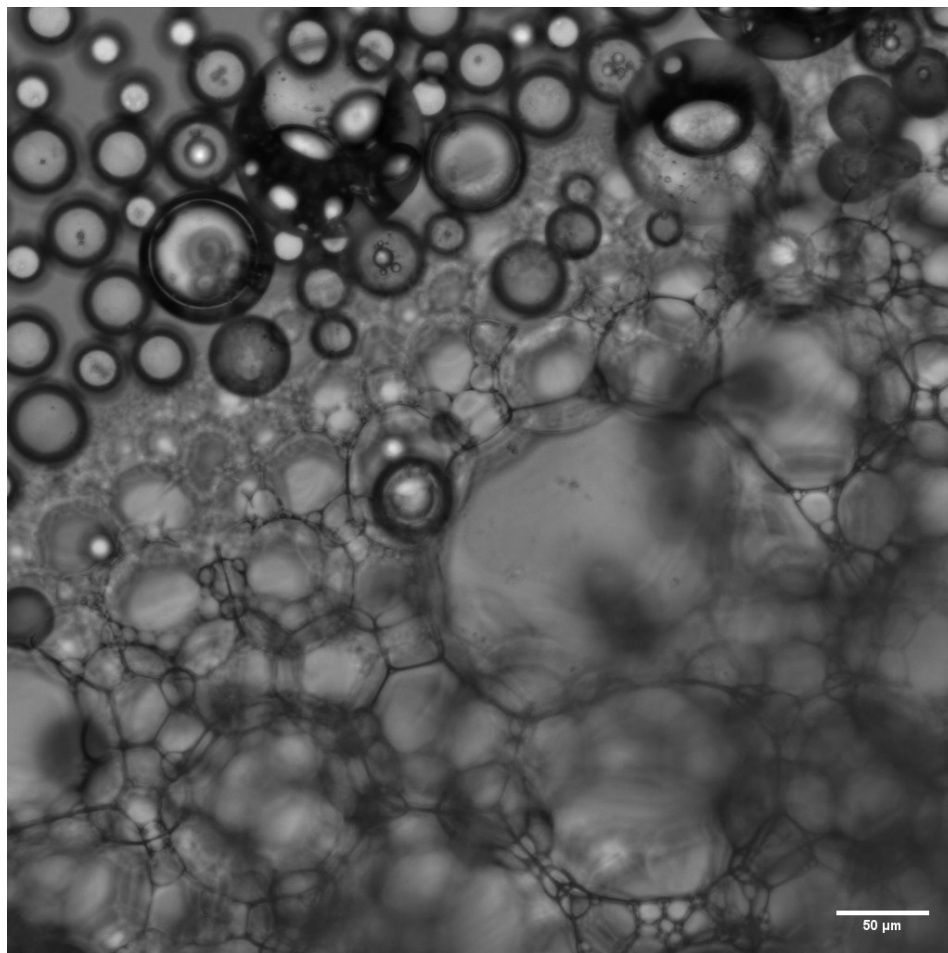


Fig. S4 Micrograph showing single and complex DEDs formed immediately after the first emulsification using P2 (10 g L⁻¹) as surfactant.

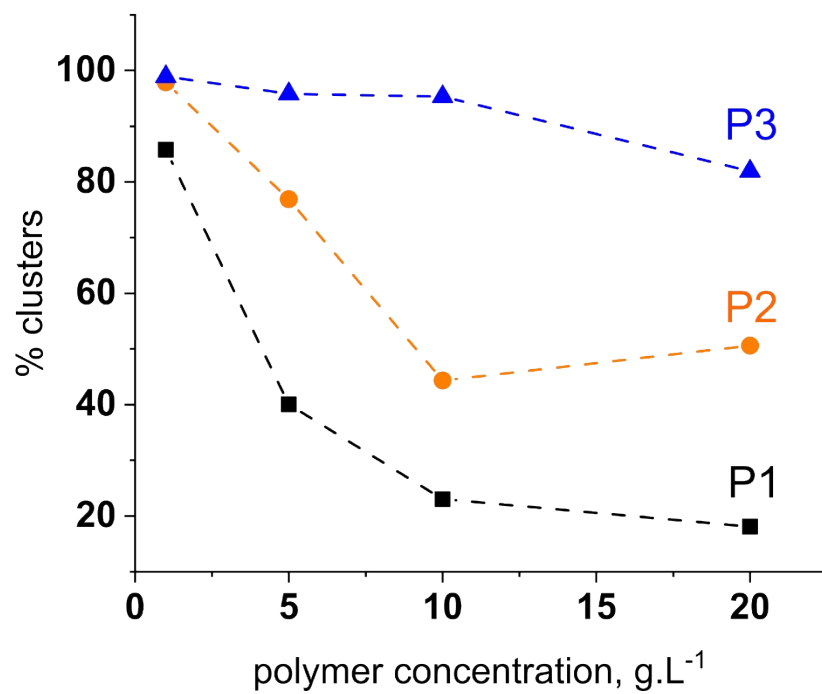


Fig. S5 Fraction of clusters relative to the total number of aggregates (single vesicles + clusters).