

Supporting Information

Structural changes in liquid crystal polymer vesicles induced by temperature variation and magnetic fields

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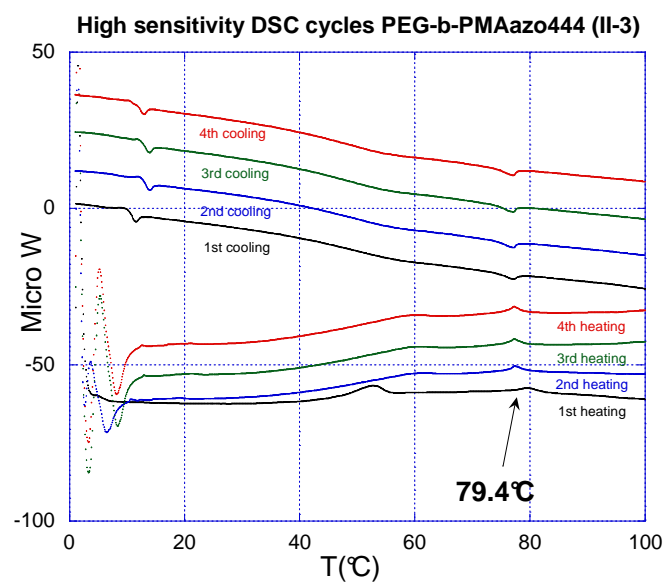
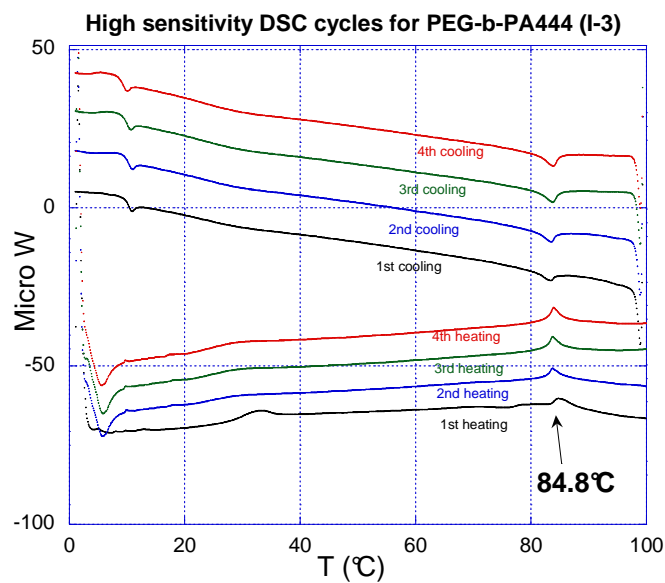


Figure SI-1 : Raw high sensitivity DSC thermograms of the polymersomes solutions formed with PEG-*b*-PA444 (I-3) and PEG-*b*-PMAazo444 (II-3) copolymers. The four heating and cooling traces have been shifted for clarity.

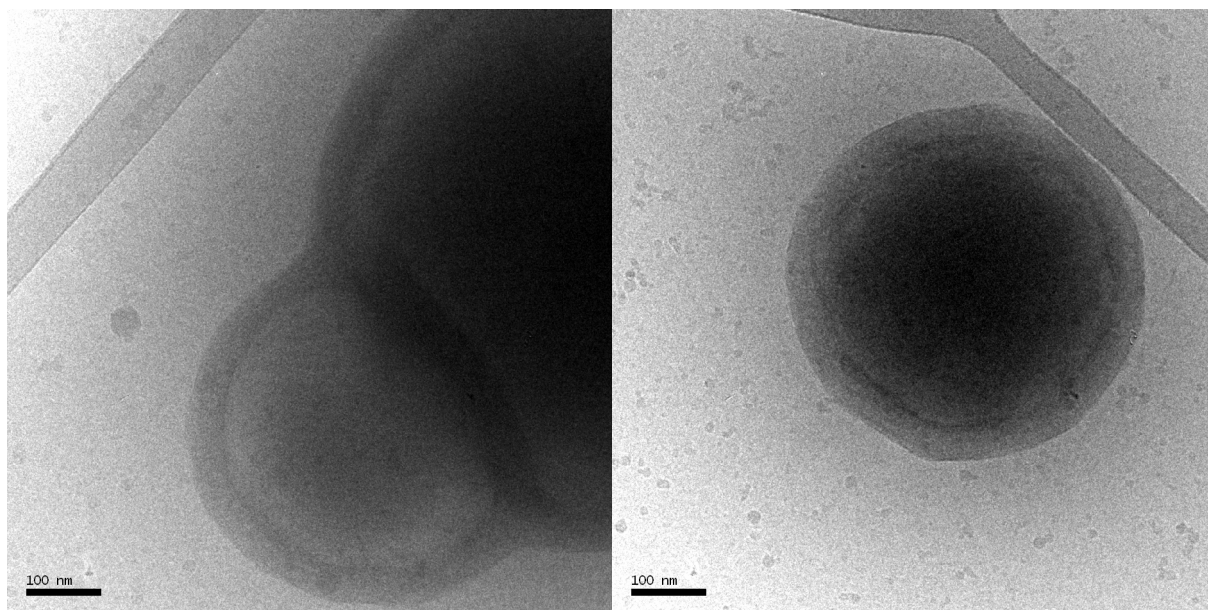


Figure SI-2. Cryo-TEM images of PEG-*b*-PMAazo444 (II-3) copolymer vesicles heated to 55-60°C during around ten hours. Scale: 100 nm. Thickness of membrane is 40-50 nm.

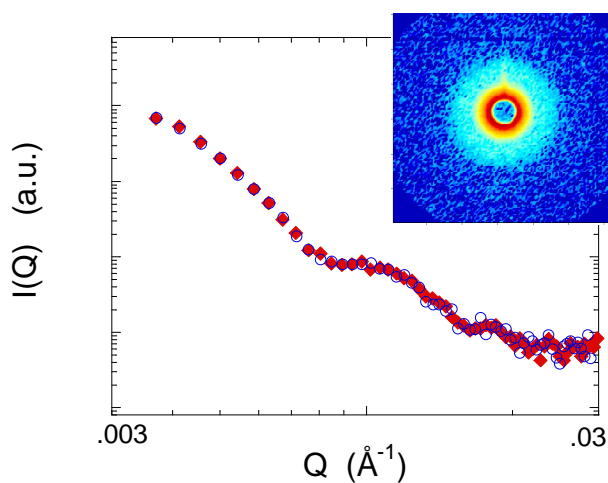


Figure SI-3. SANS $I(q)$ curves parallel and perpendicular to the applied field of 1.4T for sample II-3 at 68°C. In the inset, the scattering pattern observed at low Q range showing no anisotropy.