

SUPPLEMENTARY INFORMATION

Smart Block Copolymers of PVP and an Alkylated PVP Derivative: Synthesis, Characterization, Thermoresponsive Behaviour and Self-assembly

Johnel Giliomee, Rueben Pfukwa, Nonjabulo P. Gule, Bert Klumperman

1. SEC

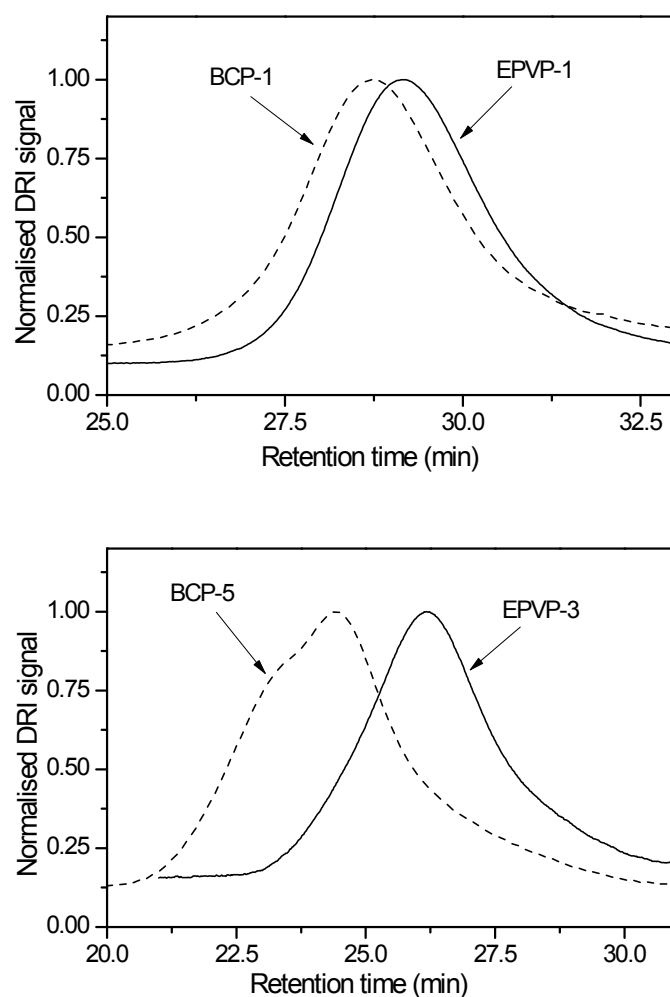


Figure S1. SEC traces of EPVP-1 and BCP-1 (top) and EPVP-3 and BCP-5 (bottom)

2. Transmittance Traces

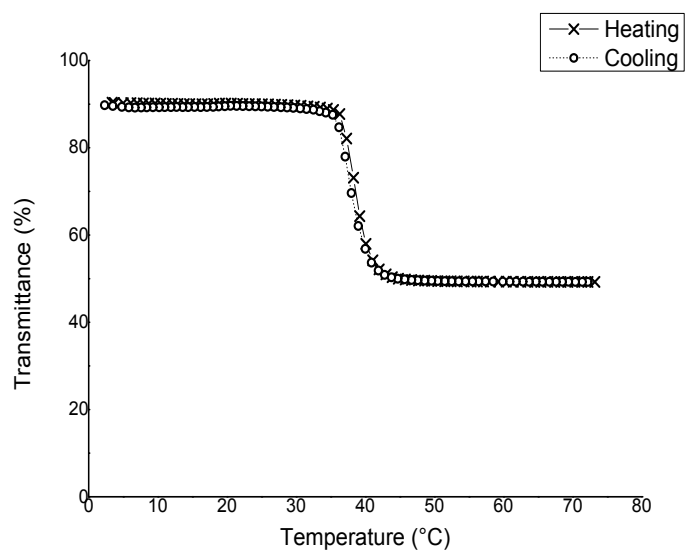


Figure S2. Transmittance traces of BCP-1

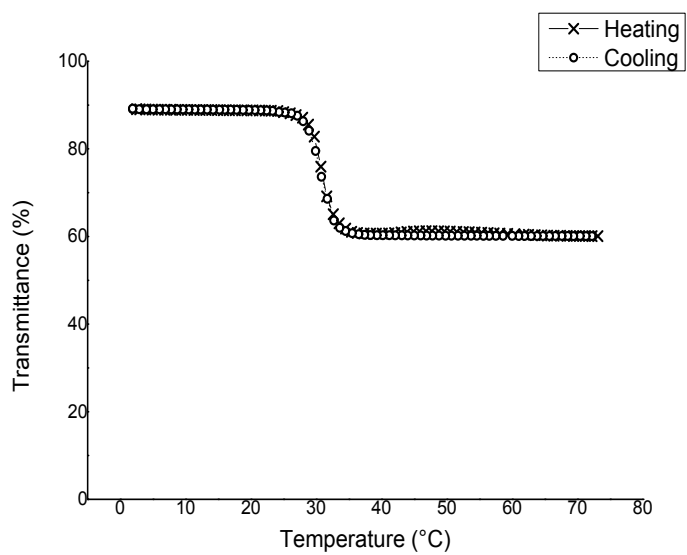


Figure S3. Transmittance traces of BCP-2

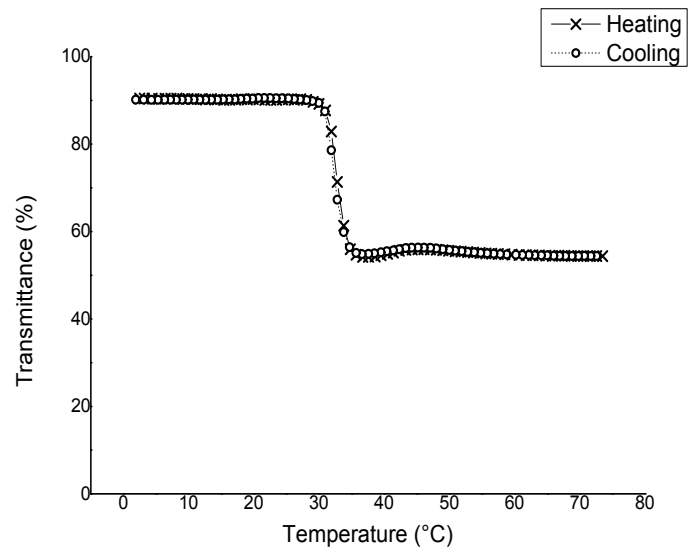


Figure S4. Transmittance traces of BCP-3

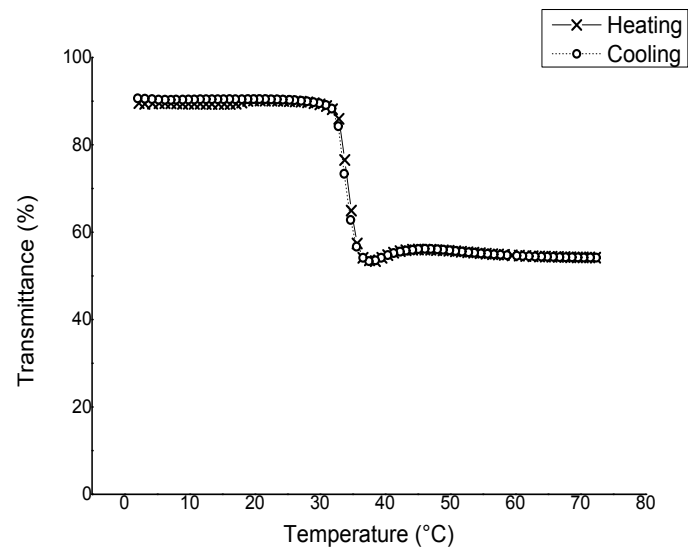


Figure S5. Transmittance traces of BCP-4

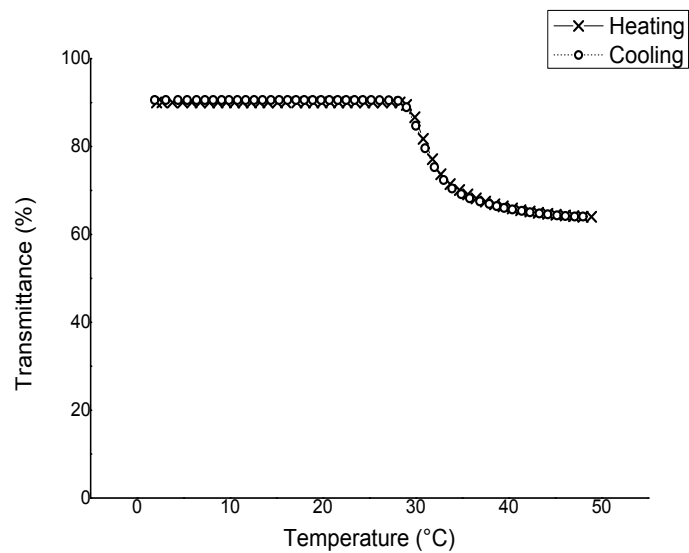


Figure S6. Transmittance traces of BCP-5

3. Dynamic Light Scattering

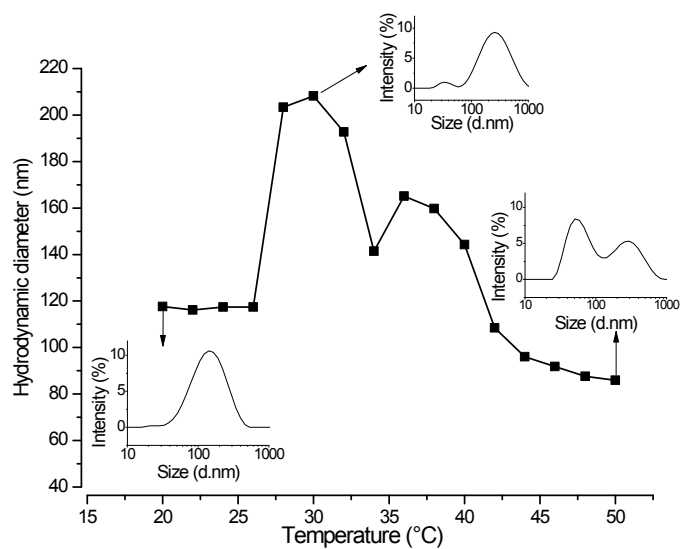


Figure S7. The change in hydrodynamic diameter as a function of temperature for EPVP-PVP (BCP-3) and the corresponding size distributions at temperatures below and above the T_{CP} of BCP-3.

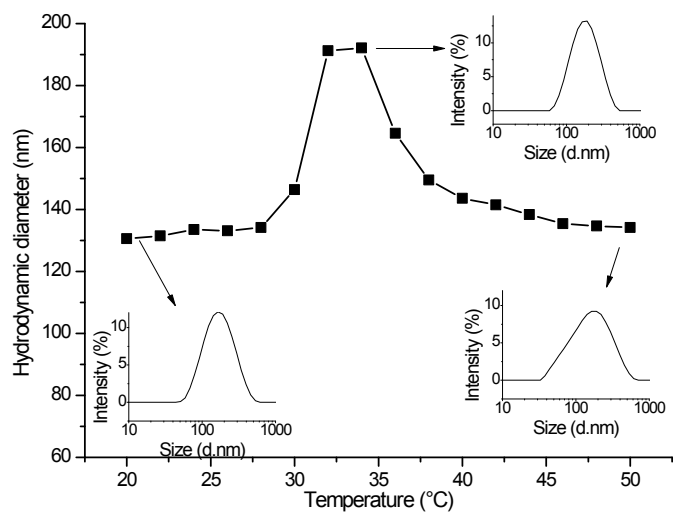


Figure S8. The change in hydrodynamic diameter as a function of temperature for EPVP-PVP (BCP-5) and the corresponding size distributions at temperatures below and above the T_{CP} of BCP-5.

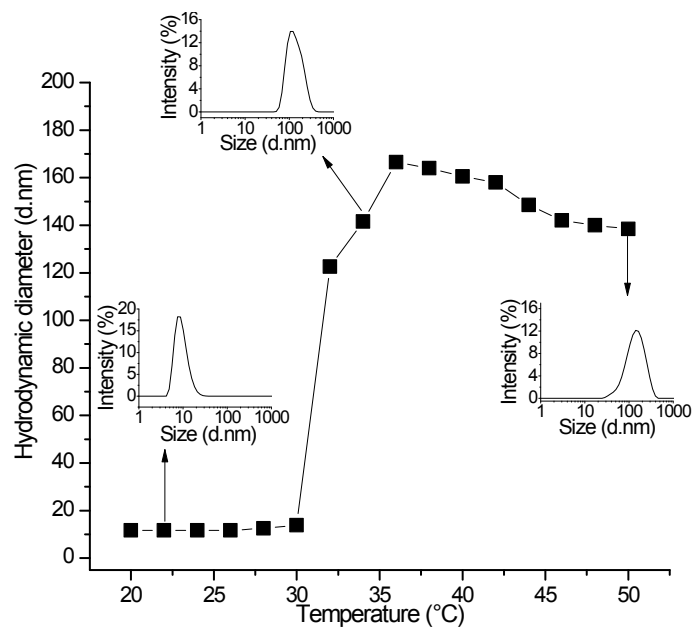


Figure S9. The change in hydrodynamic diameter as a function of temperature for PVP-EPVP (BCP-6) and the corresponding size distributions at temperatures below and above the T_{CP} of BCP-6.

4. TEM

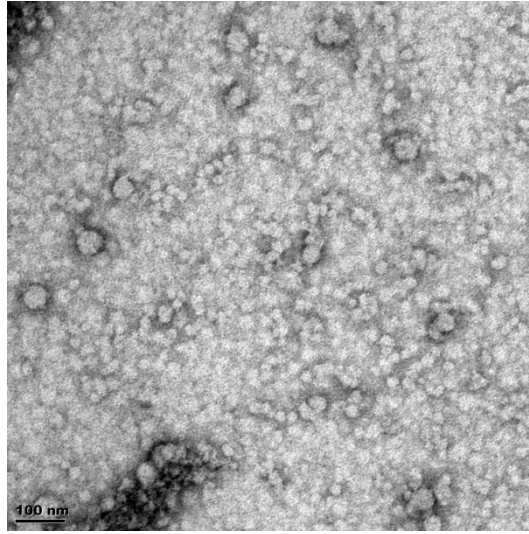


Figure S10. TEM image of BCP-5, sample prepared above LCST.