

Supplementary Information

Table: LLS results of organic PAME terpolymers in DMSO at 25°C calculated by laser light Scattering technique

S. No.	Polymers	M _w g/mol	R _g nm	A ₂ cm ³ molg ⁻²	R _h nm	D _h nm	R _g /R _h
1.	PAMEH	2.3×10 ⁶	260	6×10 ⁻⁵	140	–	1.85
2.	PAMEB	2.1×10 ⁴	120	3×10 ⁻³	–	–	–
3.	PAMESi	6.3×10 ⁵	169	3.7×10 ⁻⁴	150	–	1.12
4.	PAMEF	1.3×10 ⁵	–	–	–	–	–
5.	PAMEPr	2.1×10 ⁶	306	3.2×10 ⁻³	175	–	2.05

* The specific refractive index increment, dn/dc = 0.097 mL/g for all the polyester-based Polymers
^a Weight average molecular weight of the polymer
^b Radius of gyration
^c Second virial coefficient

The relative errors are: dn/dc, ± 1%, M_w, ± 5%, <R_g> & A₂, ± 10%

1. Zhang, G., Wu, C., Folding and formation of mesoglobules in dilute copolymer solutions, *Adv. Polym. Sci.*, **2006**, *195*, 101-176.
2. Zimm, B. H., Apparatus and Methods for Measurement and Interpretation of the Angular Variation of Light Scattering: Preliminary Results on Polystyrene Solutions. *J. Chem. Phys.*, **1948**, *16*, 1099.