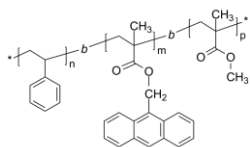


Sample Name: Poly(styrene)-b-poly (9-anthracenyl methyl methacrylate)-b-poly (methyl methacrylate), triblock copolymer

Sample # : P19656-SAnMMAMMA

Structure :

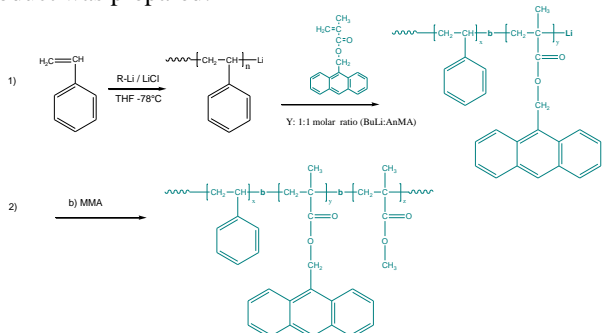


Composition :

Mn x 10 ³ S-b-AnMMA--MMA	PDI
39.5-b-1.1-b-26.0	1.05

Synthesis Procedure:

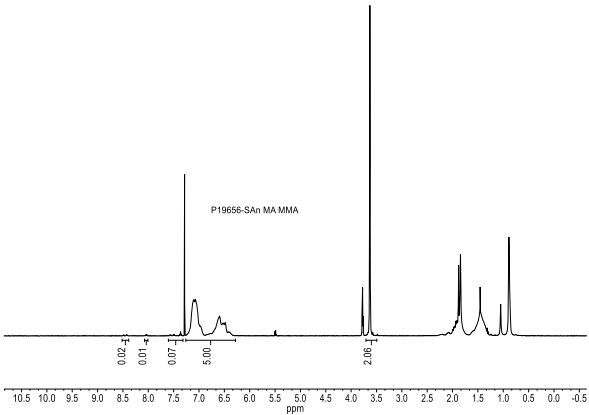
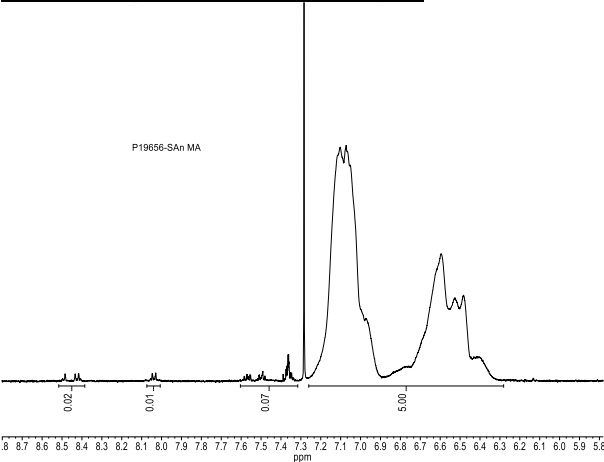
The polymer was synthesized by anionic polymerization process. The following reaction scheme shows how the product was prepared:



Characterization:

The polymer was characterized by SEC and ¹H NMR.

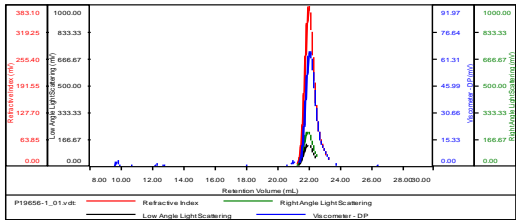
¹H NMR spectrum of the Sample:



SEC elugram of the Sample:

Sample ID-P19656-1

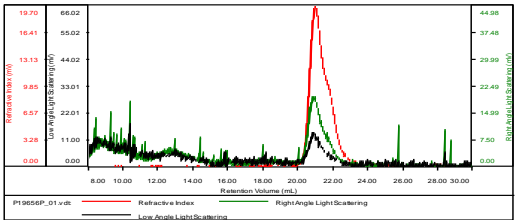
Concentration (mg/mL)	1.5141
Sample dn/dc (mL/g)	0.1850
Method File	F580K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19656-1_01.vcl	39,421	39,662	38,240	1.006	1.0312

Sample ID-P19656P-SAnMMAMMA

Concentration (mg/mL)	0.1266
Sample dn/dc (mL/g)	0.1700
Method File	F580K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19656P-01.vcl	70,020	73,089	74,432	1.044	1.8475

References for further information:

1. S. K. Varshney, R. Fayt, Ph. Teyssie, and J.P. Hautekeer US Patent 5,264,527 (1993)
2. Ph. Teyssie, Ph. Bayard, R. Jerome, S. K. Varshney, and J. S. Wang, *35th IUPAC International Union of Pure & Applied Chemistry International Symposium on Macromolecules* 1994, 67.
3. Ph. Teyssie, R. Fayt, J. P. Hautekeer, C. Jacobs, R. Jerome, L. Leemans and S. K. Varshney *Makromolekular Chemie, Macromol. Symp.*, 1990, 32,61-73.
4. S. K. Varshney, J. P. Hautekeer, R. Fayt, R. Jerome, and Ph.Teyssie *Macromolecules*, 1990, 23, 2618-2622.
5. R. Jerome, R. Forte, S. K. Varshney, R. Fayt, and Ph. Teyssie "The Anionic Polymerization of Alkylacrylates:A Challenge" in the Recent Advances in Mechanistic and Synthetic Aspects of Polymerization: M. Fontanille and A. Guyot Ed., NATO ASI Series C 215,101 (1987), CA Vol. 108, 12, 094992.