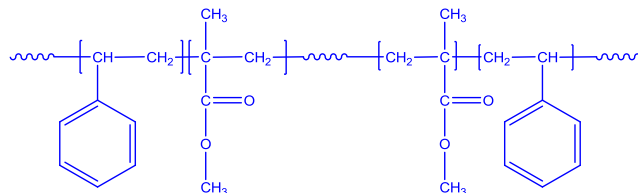


Sample Name:

Poly(Styrene-b-methylmethacrylate-b-Styrene) (radical process)

Sample #: P11067D-SMMAS

Structure:

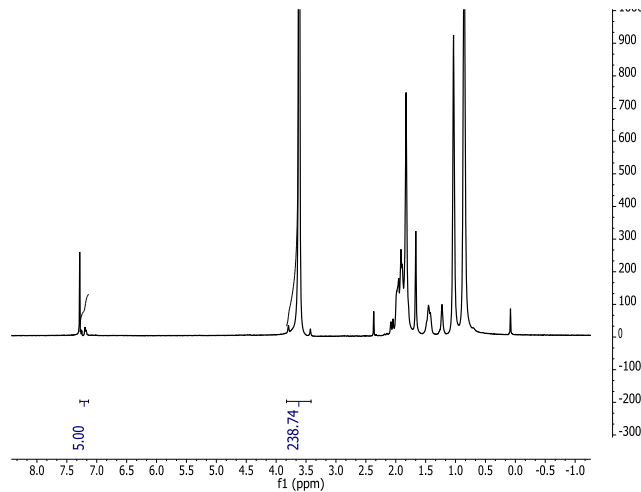
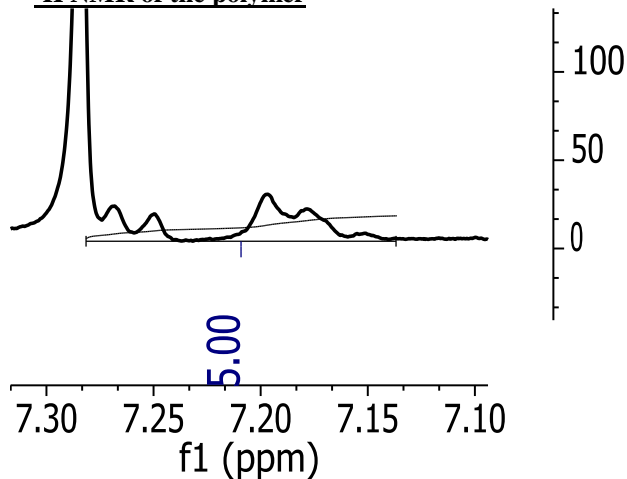
**Composition:**

Mn $\times 10^3$ (S-b-MMA-S)	PDI
1.5-b-288.0-b-1.5	1.6
Microstructure of PMMA block	S:H:I contents 59:37:4
T _g for PS block: 100 oC	T _g for MMA block: 116 °C

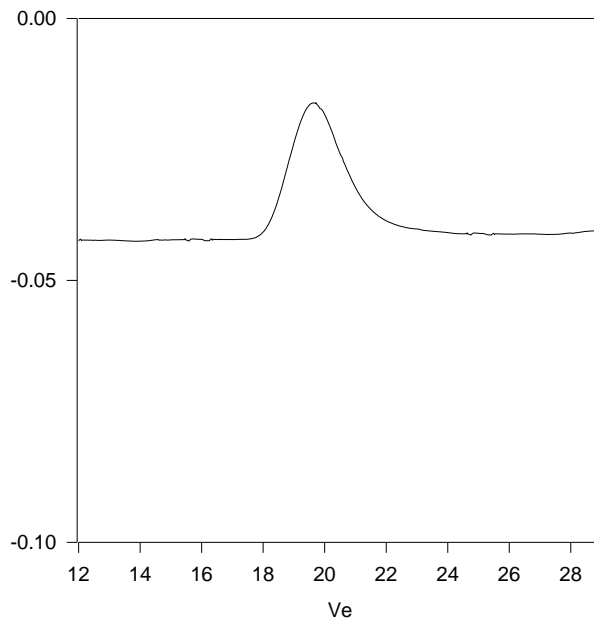
Synthesis Procedure:
BY RAFT PROCESS

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

¹H NMR of the polymer**SEC of polymer**

P11067D-SMMAS



Size Exclusion Chromatography of:

— PMMA center block, $M_n=288,000$, $PI=1.6$
S-MMA-S Mn : 1,500-b-288,000-b-1,500 Mw/Mn 1.6

Reference:

S.K. Varshney, P. Kesani, N. Agarwal, J. Xin. Zhang, and M. Rafailovich. Synthesis of ABA type thermoplastic elastomers based on Polyacrylates, *Macromolecules*, 1999, 32, 235.