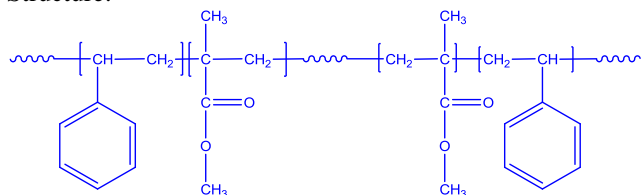


Sample Name:**Poly(Styrene-b-methylmethacrylate-b-Styrene) (radical process)**

Sample #: P11067C-SMMAS

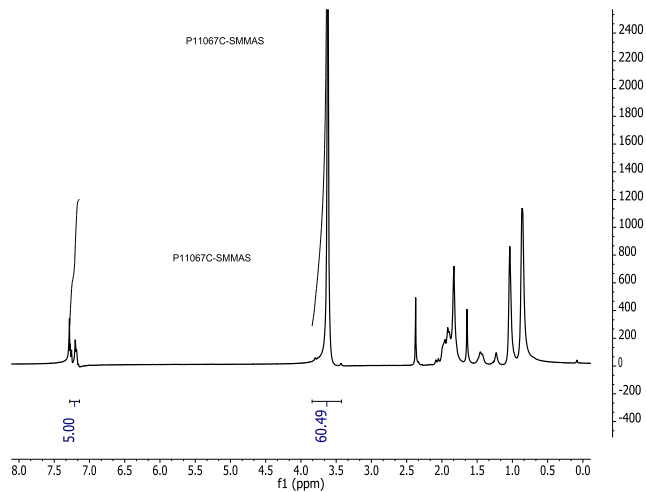
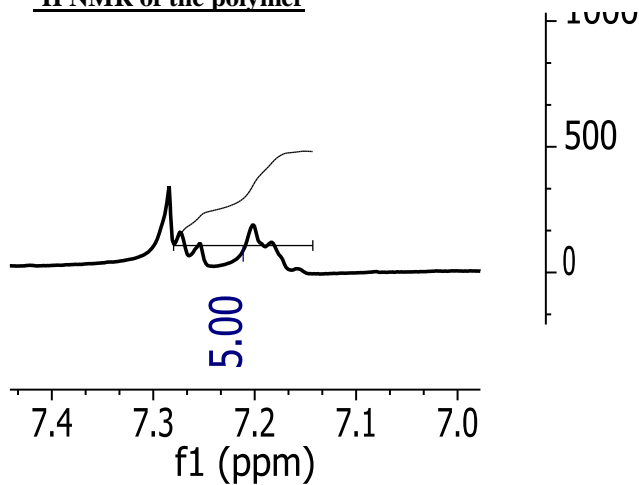
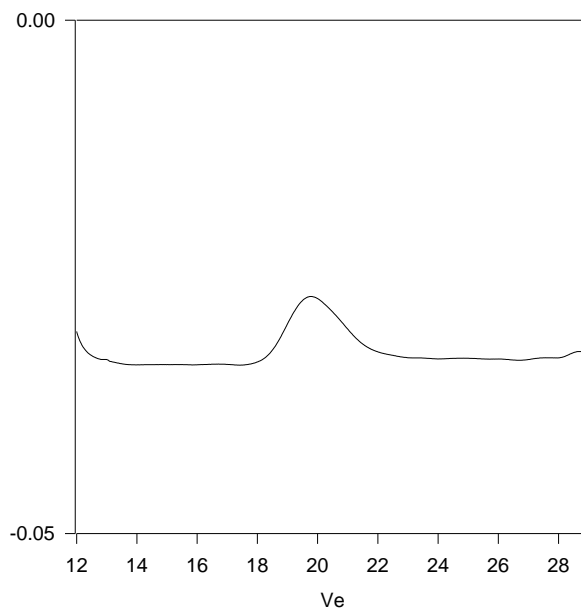
Structure:

**Composition:**

Mn × 10 ³ (S-b-MMA-S)	PDI
7.5-b-288.0-b-7.5	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****P11067C-SMMAS**

Size Exclusion Chromatography of:

— PMMA center block, M_n=288,000, PI=1.6
S-MMA-S Mn : 7,500-b-288,000-b-7,500 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.