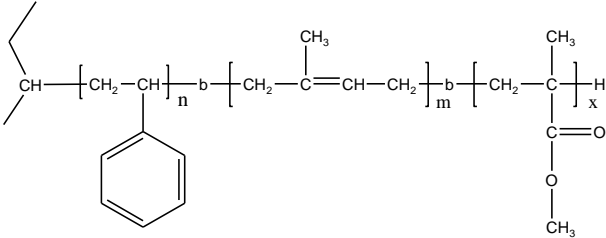


Sample Name:  
Poly(Styrene-b-isoprene-b-Methyl methacrylate)

Sample #: P40702-SIPMMA

Structure:



Composition:

Mn x 10 <sup>3</sup> S-b-IP-b-MMA	PDI
12.0-b-1.5-b-0.5	1.08
Glass transition temperature, T <sub>g</sub> :	50 °C

Synthesis:

The polymer was synthesized by anionic polymerization process.

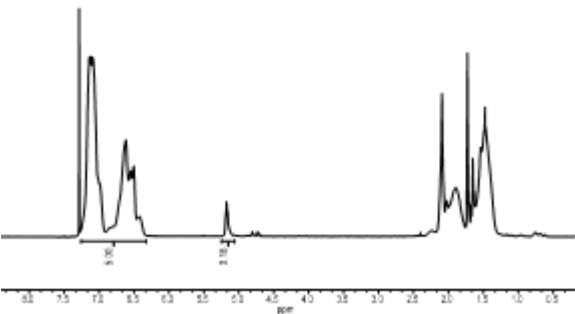
Characterization:

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

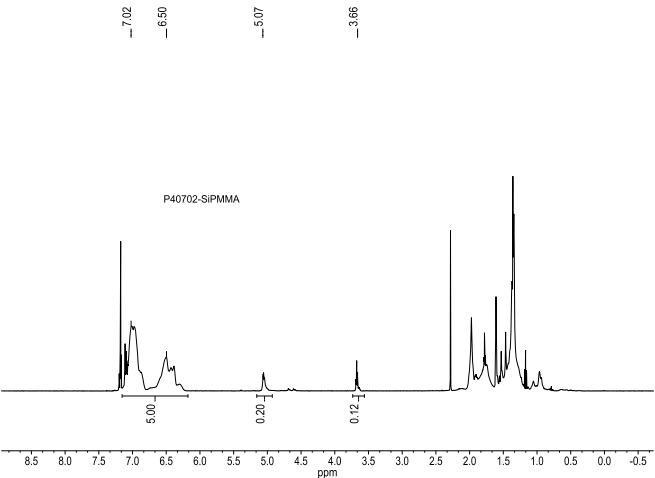
Thermal analysis:

Thermal analysis was performed on TA Instruments Q100 differential scanning calorimeter (DSC) under a nitrogen atmosphere. The glass transition temperature (T<sub>g</sub>) of the copolymer was measured at a scan rate of 10°C/min shortly after creating thermal history of the sample.

HNMR spectrum of SIP Block:

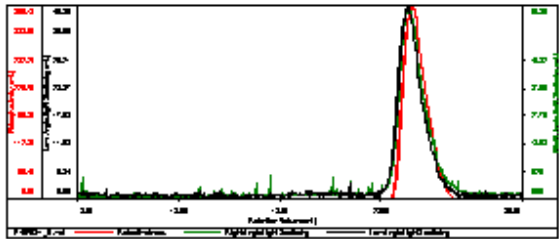


<sup>1</sup>H-NMR Spectrum of the polymer:



SEC elugram for the S block :

Concentration (mg/mL)	0.2500
Sample dried (mg)	0.0000
Method File	P-2000-4-separation-100000.nm
Column Set	3x PL + 1x PL 300
Solvent	THF



Sample	Wt (Da)	Mn (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40702- 01.dft	11,002	12,033	1.001	0.0744	11,303