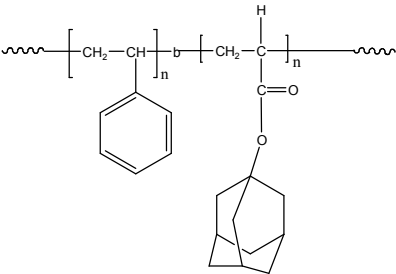


Sample Name:
Poly (Styrene-b-1-Adamantyl acrylate)

Sample #: P40328-SADMA

Structure:



Composition:

Mn x 10 ³ PS-b-ADMMA	PDI
16.5-b-4.0	1.06
Microstructure for ADMMA	Syndio:hetero:iso Rich in heterotactic

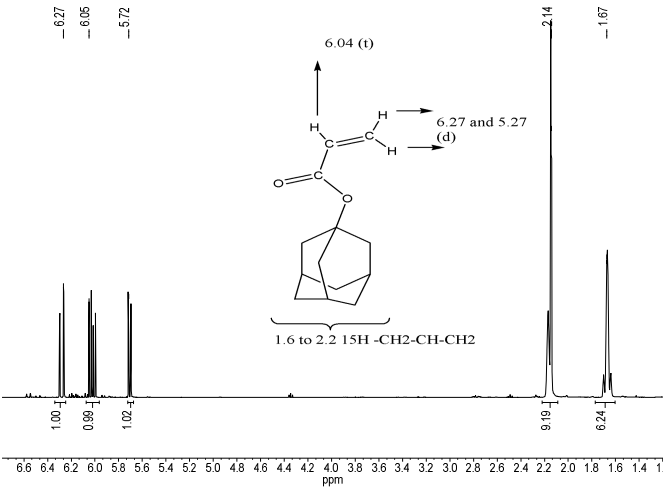
Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

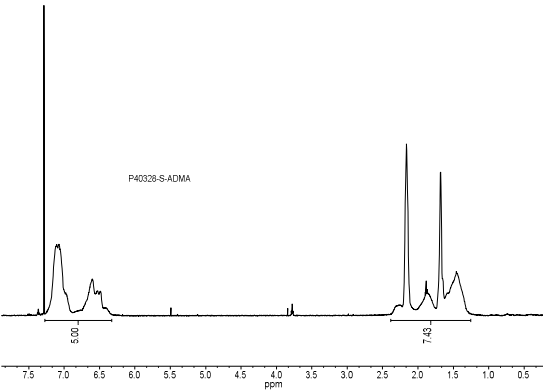
Characterization:

The product was characterized by size exclusion chromatography (SEC) using THF as an eluant and ¹H NMR.

¹H-NMR Spectrum of the monomer1-adamantyl acrylate



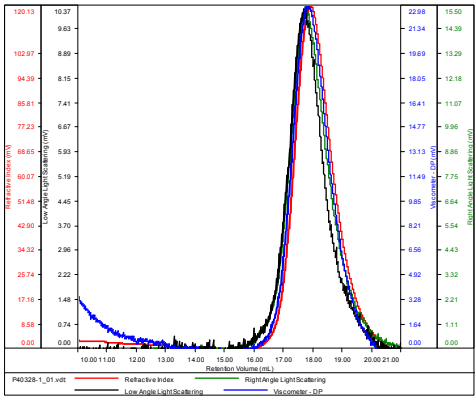
¹H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

P40328-1

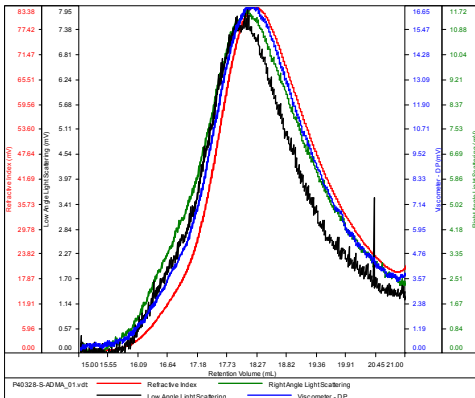
Conc (mg/mL)	6.8095
dn/dc (mL/g)	0.1650
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40328-1_01.vdt	16,875	17,581	16,522	1.042	0.0564

P40328-S-ADMA

Conc (mg/mL)	8.6012
dn/dc (mL/g)	0.1500
Method	PS80k_December-2016-0004.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40328-S-ADMA_01.vdt	20,268	21,565	19,846	1.064	0.0555