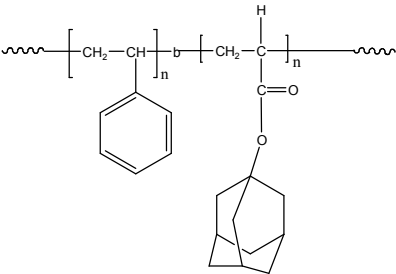


Sample Name:  
Poly (Styrene-b-1-Adamantyl acrylate)

Sample #: P40282-SADMA

Structure:



Composition:

Mn x 10 <sup>3</sup> PS-b-ADMMA	PDI
39.0-b-2.5	1.10
Microstructure for ADMMA	Syndio:hetero:iso Rich in heterotactic
T <sub>g</sub> for PS block: Not distinct	T <sub>g</sub> for PADMMA block: 184°C

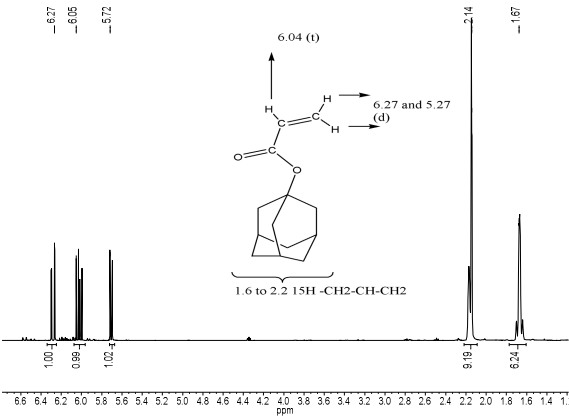
Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

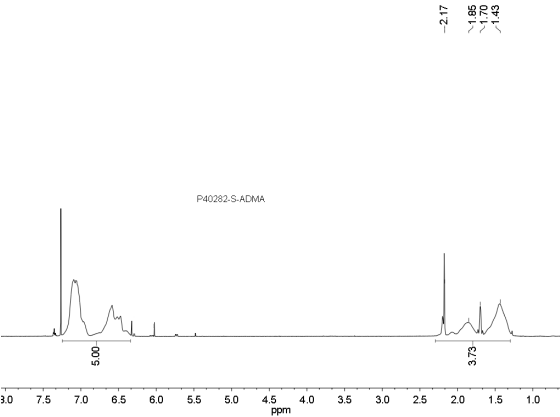
Characterization:

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

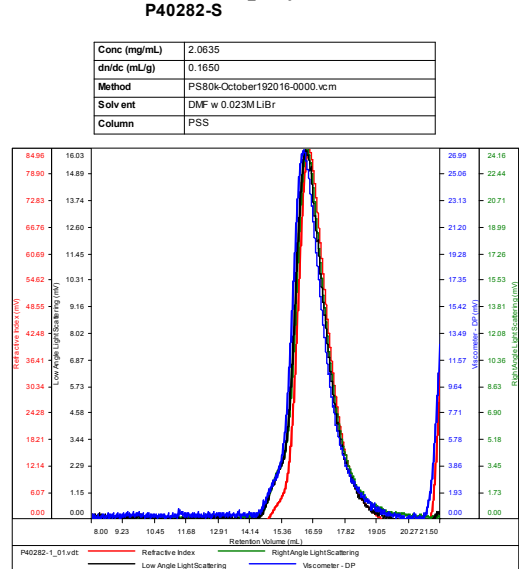
**HNMR Spectrum of the monomer1-adamantyl acrylate**



**<sup>1</sup>H-NMR Spectrum of the block copolymer:**



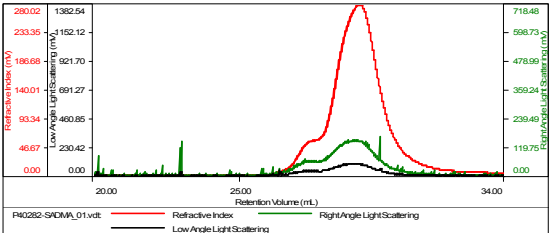
**SEC of the block copolymer:**



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40282-1_01.vdt	39,246	40,397	37,902	1.029	0.2130

P40282-SADMA

Concentration (mg/mL)	8.1645
Sample dn/dc (mL/g)	0.1770
Method File	PS80k-Nov2016-6-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40282-SADMA_01.vdt	41,499	45,735	1.102	0.3846	38,965