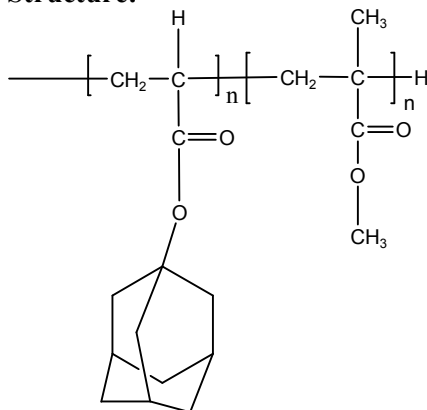


Sample Name:
Poly (1-Adamantyl acrylate-b-methylmethacrylate)

Sample #: P40330-ADMAMMA

Structure:



Composition:

Mn x 10 ³ ADMA-b-PMMA	PDI
25.0-b-284.0	1.6
T _g for ADMA block:	112°C

Synthesis Procedure:

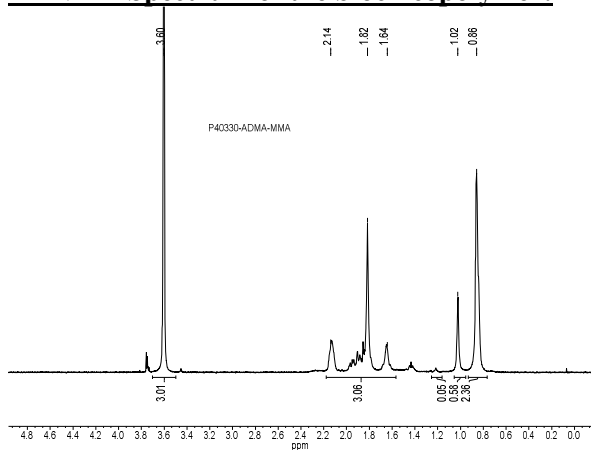
Poly (1-Adamantyl acrylate-b-methylmethacrylate) prepared by anionic process.

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) using THF as an eluant and ¹H-NMR.

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) of the sample has been considered.

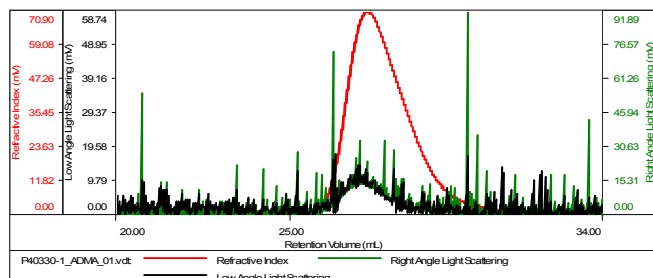
¹H-NMR Spectrum of the block copolymer:



SEC of the block copolymer:

P40330-ADMA

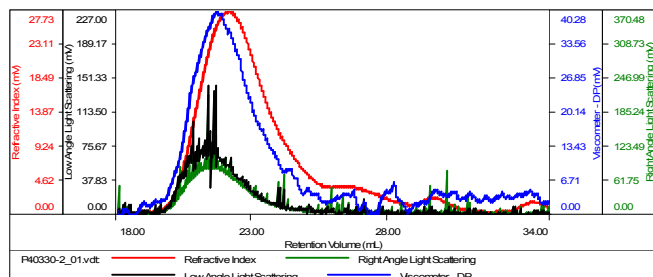
Concentration (mg/mL)	4.2940
Sample dn/dc (mL/g)	0.0940
Method File	PS80K-Nov2016-6-0000.vcm
Column Set	3x PL 1113-6000
Solvent	THF



Sample	Mh (Da)	Mw (Da)	Mw/Mh	IV (dL/g)	Mp (Da)
P40330-1_ADMA_01.v	25,160	29,761	1.183	0.1176	30,736

P40330-ADMA-MMA

Concentration (mg/mL)	2.5719
Sample dn/dc (mL/g)	0.0950
Method File	PS80K-Nov2016-6-0000.vcm
Column Set	3x PL 1113-6000
Solvent	THF



Sample	Mh (Da)	Mw (Da)	Mw/Mh	IV (dL/g)	Mp (Da)
P40330-2_01.vdt	308,584	511,414	1.657	1.3927	456,028