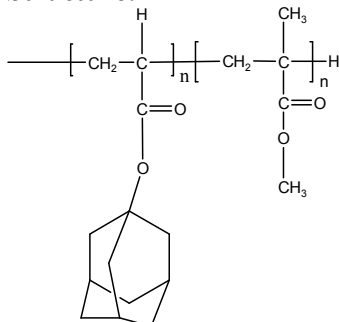


Sample Name:

Poly (1-Adamantyl acrylate-b-methylmethacrylate)

Sample #: **P40329-ADMAMMA**

Structure:



Composition:

Mn x 10 ³ ADMA-b-PMMA	PDI
5.0-b-15.0	1.2
T _g for ADMA block:	112

Synthesis Procedure:

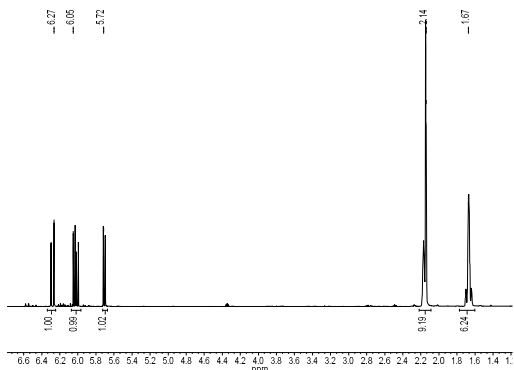
Poly (1-Adamantyl acrylate-b-methylmethacrylate) prepared by anionic process. MMA monomer was polymerized first followed by addition of ADMA monomer.

Characterization:

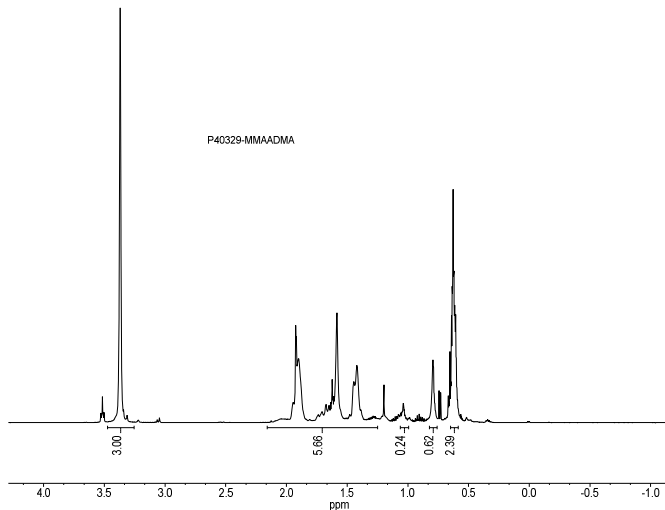
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) using THF as an eluant.

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.

¹HNMR Spectrum of the (1-Adamantyl acrylate)
Monomer run in CDCl₃:



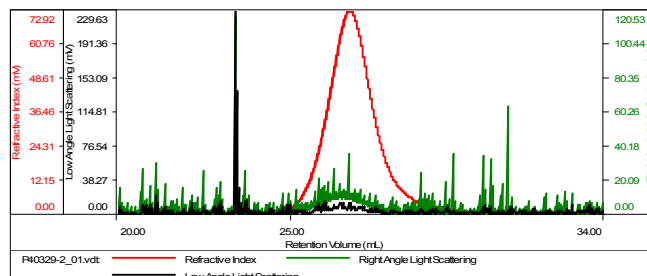
¹HNMR Spectrum of the sample:



SEC elugram of the Sample:

P40329-MMAADMA

Concentration (mg/mL)	3.4804
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-Nb(2016-6-0000).vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40329-2_01.vdt	20,539	24,684	1.202	0.0586	23,949