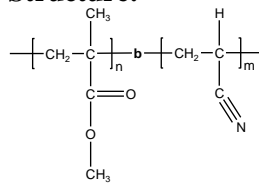


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: **P41039-MMAACN**
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

$M_n \times 10^3$ MMA-b-ACN	M_w/M_n (PDI)
113.0-b-35.0	1.6

Color : Orange color

Synthesis Procedure:

Polymer is prepared by anionic polymerization process.

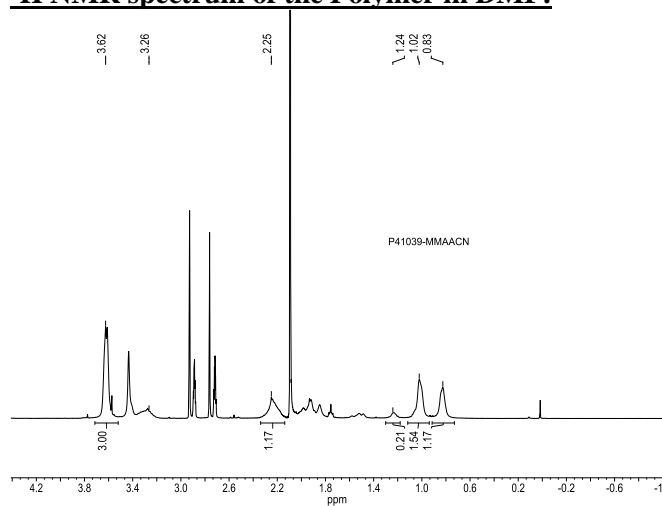
Characterization:

The polymer was characterized by size exclusion chromatography (SEC) in DMF and ^1H NMR.

Solubility:

Polymer is soluble in THF, Chloroform, DMF, and precipitated in methanol and hexanes.

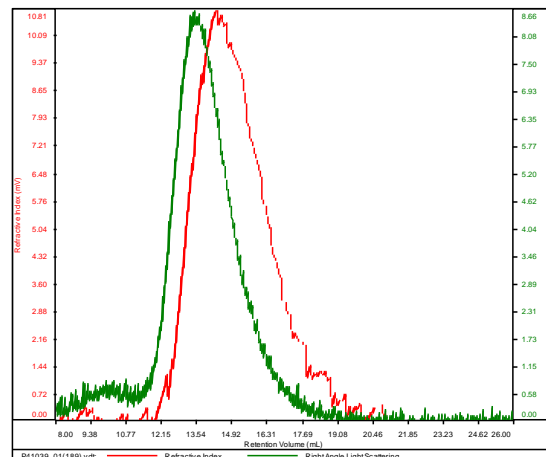
^1H NMR spectrum of the Polymer in DMF:



SEC elugram of the MMA block:

P41039-MMA

Conc	2.2939
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2018-03-09-0000.vcm

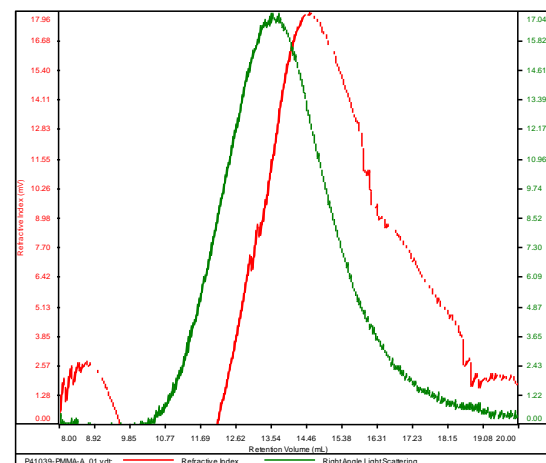


Sample	M_n	M_w	M_p	M_w/M_n	IV
P41039_01(189).vdt	112,561	235,551	185,300	2.093	0.4806

SEC elugram of the polymer:

P41039-MMAACN

Conc	2.9339
dn/dc	0.0900
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2018-03-09-0000.vcm



Sample	M_n	M_w	M_p	M_w/M_n	IV
P41039-PMMA-A_01.vdt	147,401	238,811	207,140	1.620	0.8780