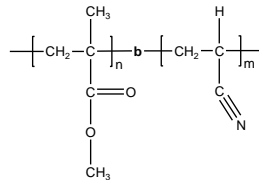


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: P41062-MMAACN
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

$M_n \times 10^3$ MMA-b-ACN	M_w/M_n (PDI)
160.0-b-225.0	1.45

Color : Orange color

Synthesis Procedure:

The polymer is prepared by anionic polymerization process.

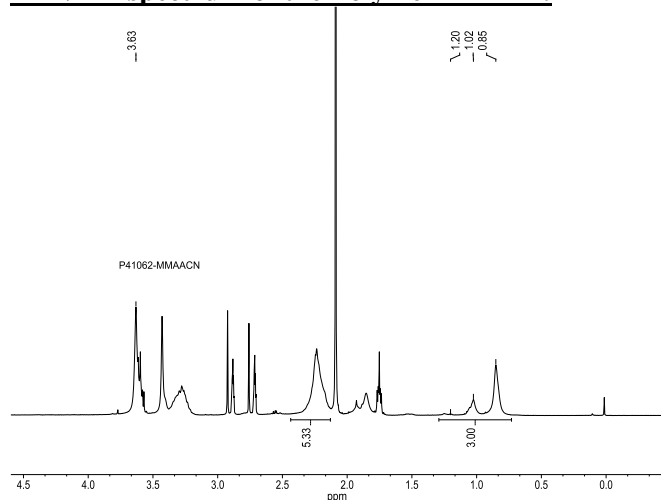
Characterization:

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.

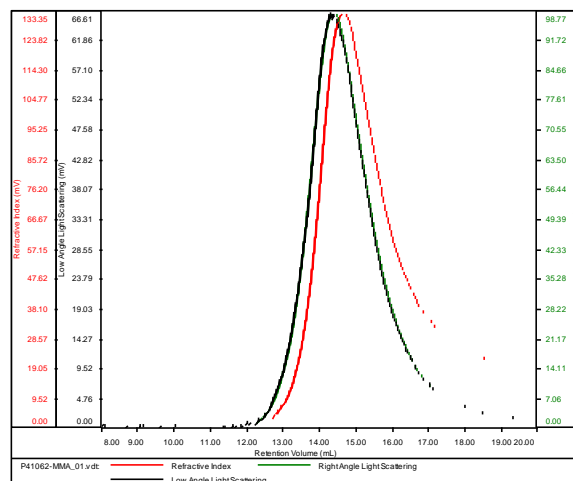
^1H NMR spectrum of the Polymer in DMF:



SEC elugram of the MMA block:

P41062-MMA-Block

Conc	19.4829
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80K_2018-04-02-0000.vcm

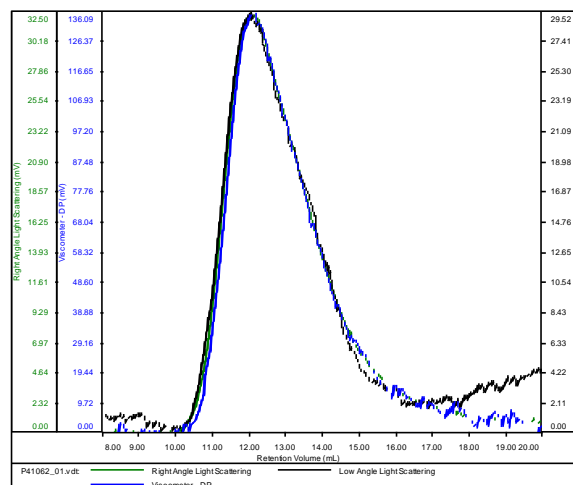


Sample	M_n	M_w	M_p	M_w/M_n	IV
P41062-MMA_01.vdt	159,322	203,922	218,512	1.280	0.5060

SEC elugram of the polymer:

P41062-MMAACN

Conc	2.1794
dn/dc	0.0900
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80K_2018-04-02-0000.vcm



Sample	M_n	M_w	M_p	M_w/M_n	IV
P41062_01.vdt	441,795	537,040	669,987	1.216	2.0525