

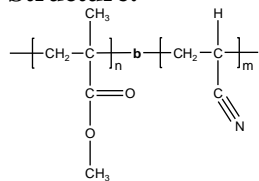
Sample Name:

Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: **P41032-MMAACN**

PMMA block rich in Syndiotactic

Structure:



Composition:

$M_n \times 10^3$ MMA-b-ACN	M_w/M_n (PDI)
7.0-b-111.0	2.0

Product color : Orange color

Synthesis Procedure:

Polymer is prepared by anionic polymerization process which the addition of monomers is as ACN monomer added first, followed by MMA monomer.

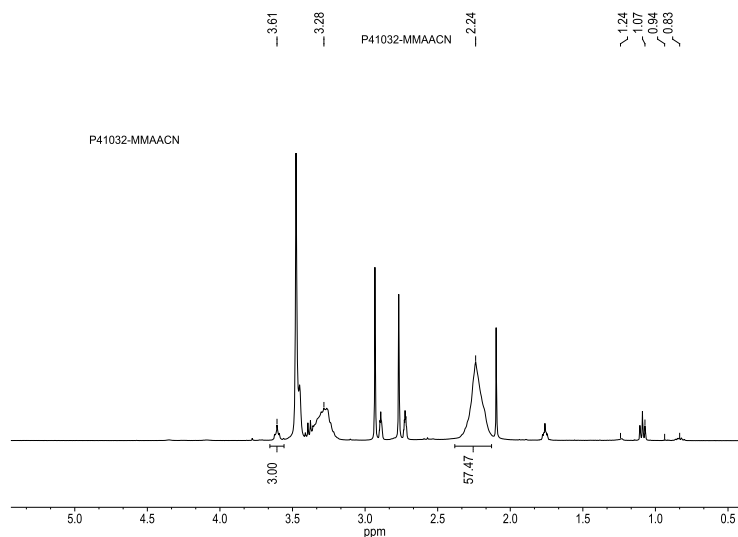
Characterization:

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.

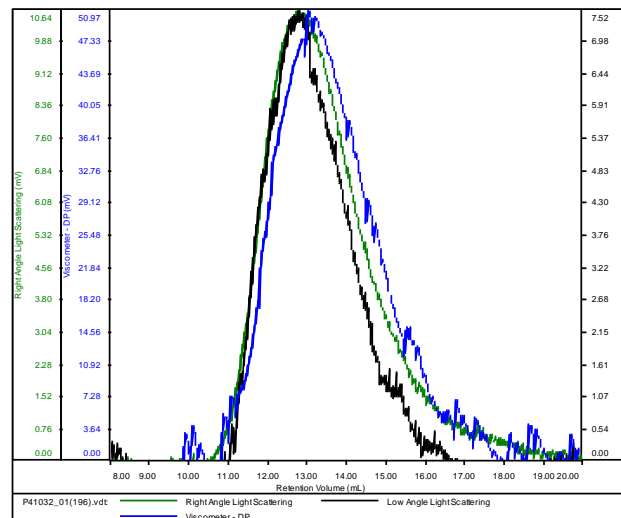
^1H NMR spectrum of the Polymer in DMF:



SEC elugram of the polymer:

P41032-MMAACN

Conc	2.4140
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
P41032_01(196).vdt	118,001	246,227	192,452	2.087	0.6996