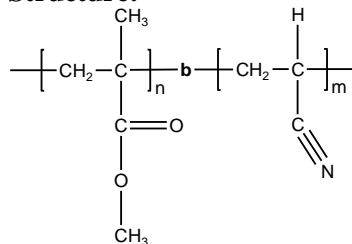


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: **P41055-MMAACN**
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

$Mn \times 10^3$ MMA-b-ACN	Mw/Mn (PDI)
6.0-b-205.0	1.9

Color : Orange color

Synthesis Procedure:

Polymer is prepared by anionic polymerization process, the sequence of monomer is ACN added first, followed by MMA monomer.

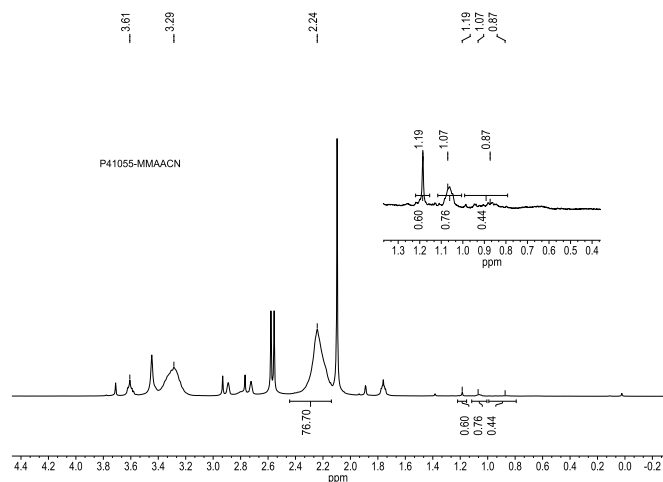
Characterization:

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.

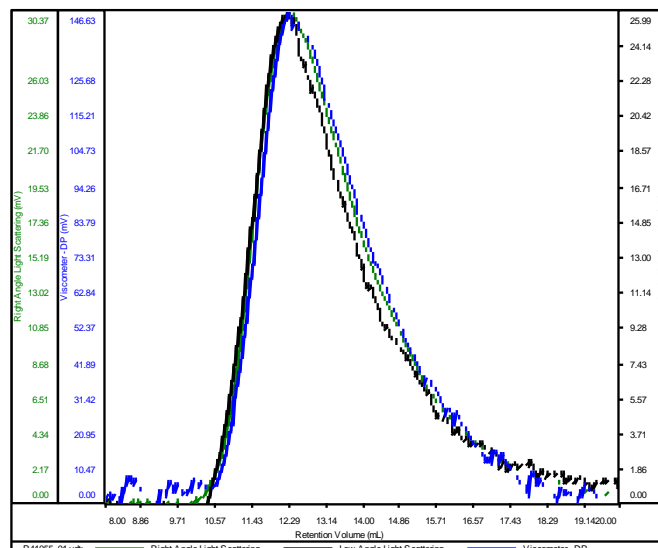
^1H NMR spectrum of the Polymer in DMF:



SEC elugram of the block:

P41055-MMAACN

Conc	5.4366
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41055_01.vdt	211,739	400,306	290,082	1.891	1.0308