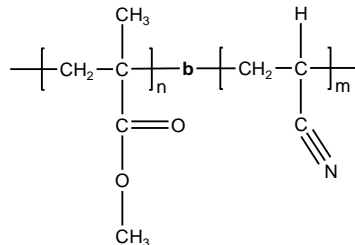


Sample Name:  
**Poly (Methylmethacrylate-b-Acrylonitrile)**

Sample #: **P41063A-MMAACN**  
*PMMA block rich in Syndiotactic fraction*

**Structure:**



**Composition:**

Mn $\times 10^3$ MMA-b-ACN	Mw/Mn (PDI)
56.0-b-31.0	2.5

Color : Orange color

**Synthesis Procedure:**

The polymer is prepared by anionic polymerization process.

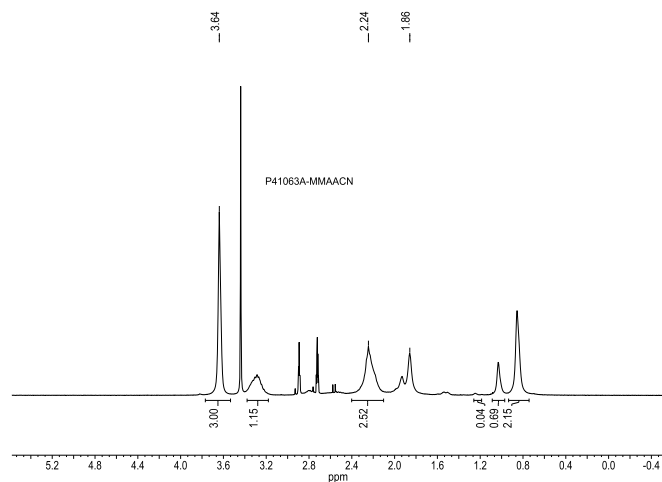
**Characterization:**

The polymer was characterized by size exclusion chromatography (SEC) in DMF and  $^1\text{H}$  NMR.

**Solubility:**

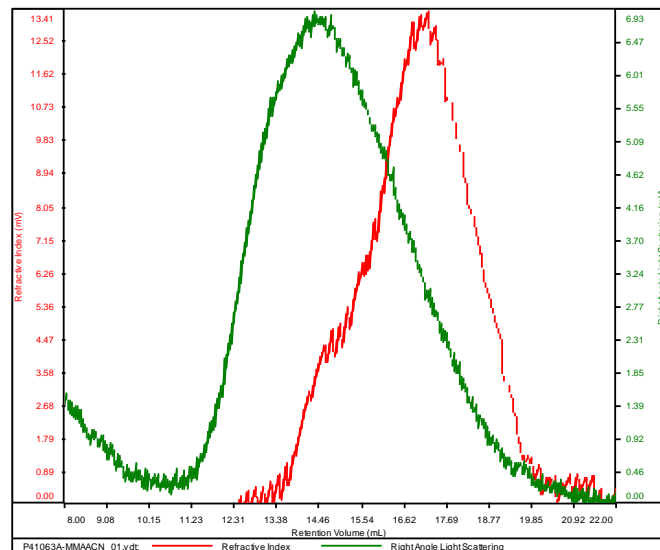
Polymer is soluble in THF, Chloroform, DMF, and precipitated in methanol and hexanes.

**$^1\text{H}$  NMR spectrum of the Polymer in DMF:**



**SEC elugram of the polymer:**  
**P41063A-MMAACN**

Conc	2.2423
dn/dc	0.0750
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
P41063A-MMAACN_01.vdt	87,649	223,110	96,058	2.545	0.6874