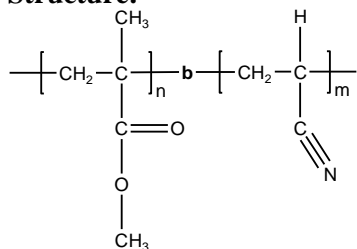


Sample Name:  
**Poly (Methylmethacrylate-b-Acrylonitrile)**

Sample #: **P42975-MMAACN**  
*PMMA block rich in Syndiotactic fraction*

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup> MMA-b-ACN	Mw/Mn (PDI)
14.0-b-11.0	1.5
Color	ivory

**Synthesis Procedure:**

The polymer is prepared by anionic polymerization process. First MMA followed by addition of ACN monomer.

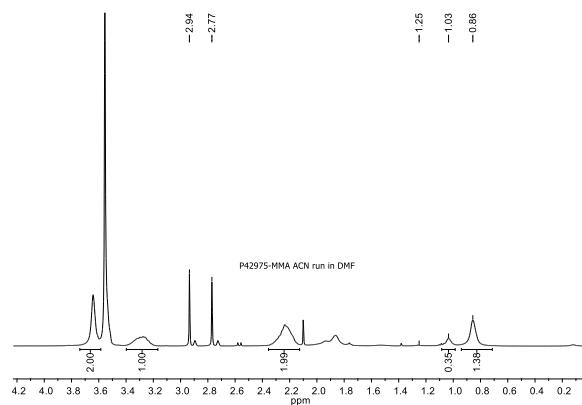
**Characterization:**

The polymer was characterized by size exclusion chromatography (SEC) in DMF and <sup>1</sup>H NMR.

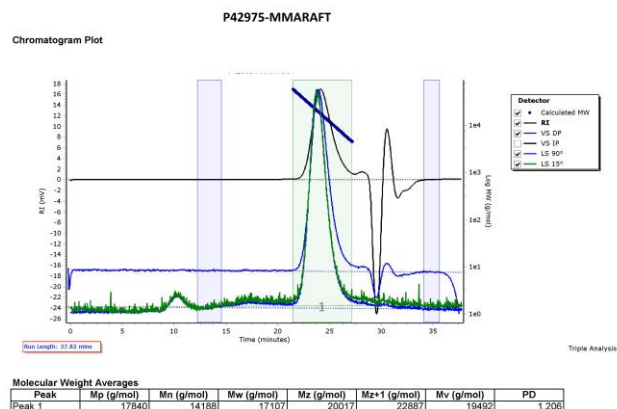
**Solubility:**

Polymer is soluble DMF and precipitated in methanol and hexanes.

**<sup>1</sup>H-NMR spectrum of Block Copolymer in DMF:**



**SEC elugram of the PMMA block:**



**SEC elugram of the Sample:**  
**P42975-MMA-ACN**

dn/dc	0.1650
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	Calibration_2020-11-25_PMMA-85K-0003.vcm

