

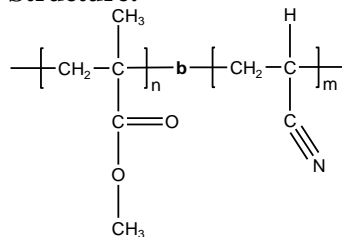
Sample Name:

Poly (Methylmethacrylate-*b*-Acrylonitrile)

Sample #: **P42969A-MMAACN**

PMMA block rich in Syndiotactic fraction

Structure:



Composition:

Mn × 10 ³ MMA- <i>b</i> -ACN	Mw/Mn (PDI)
8.0- <i>b</i> -6.5	1.4
Color	off white

Synthesis Procedure:

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

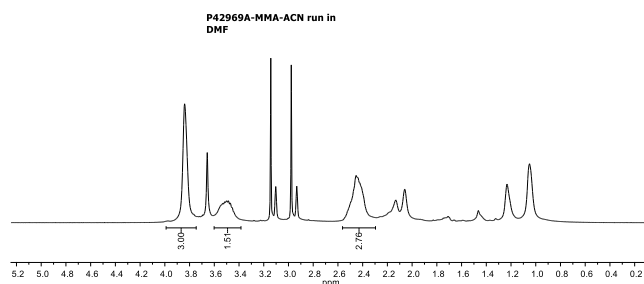
Characterization:

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

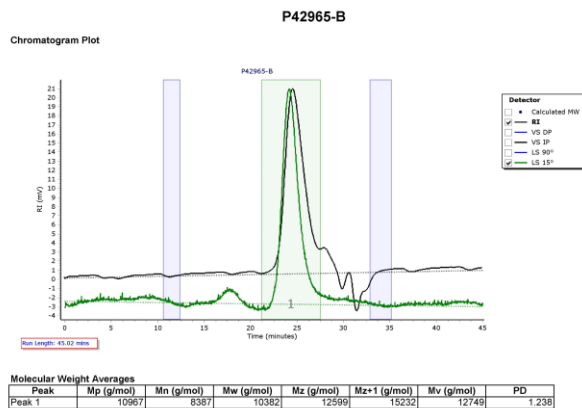
Solubility:

Polymer is soluble DMF and precipitated in methanol and hexanes.

¹H-NMR spectrum of Block Copolymer in DMF:



SEC elugram of the PMMA-RAFT block:



SEC elugram of the Sample:

P42969A-MMAACN

dn/dc	0.0700
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	Calibration_2020-11-25_PMMA-85K-0003.vcm

