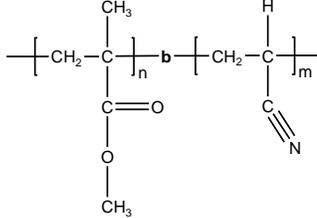


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: P41299-MMAACN
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

Mn × 10 ³ MMA-b-ACN	Mw/Mn (PDI)
42.0-b-408.0	1.9

Color : Brown

Synthesis Procedure:

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

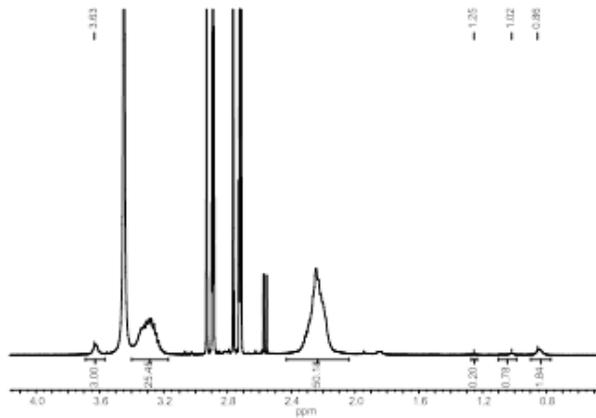
Characterization:

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

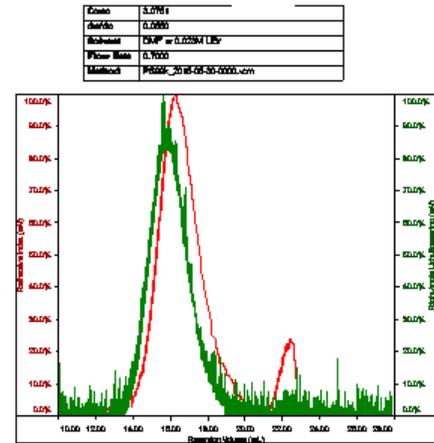
Solubility:

Polymer is soluble DMF and precipitated in methanol and hexanes.

HNMR spectrum of Block Copolymer in DMF:

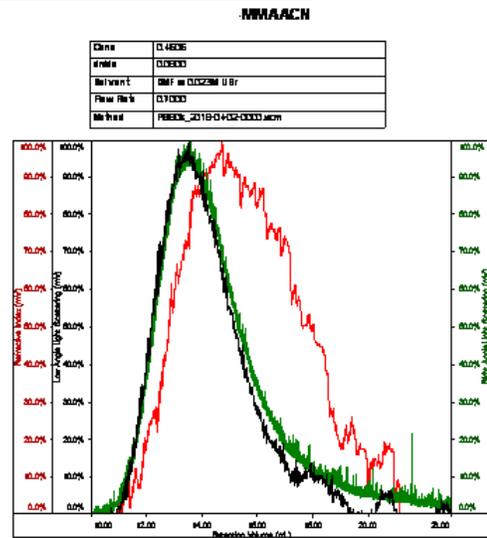


SEC elugram of the PMMA block:



Sample	Mn	Mw	Mp	Mw/Mn	IV
PMMA in DMF 0.025M U Br	42,348	80,328	46,268	1.894	0.0261

SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41299 MMAACN 0.01 ml	450,014	852,341	652,198	1.903	3.4525