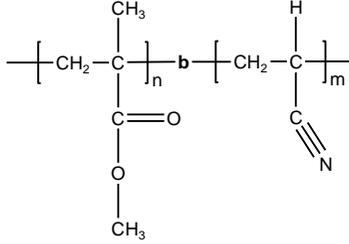


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: P41230-MMAACN
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

Mn × 10 ³ MMA-b-ACN	Mw/Mn (PDI)
14.0-b-11.0	3.3

Color : ivory

Synthesis Procedure:

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

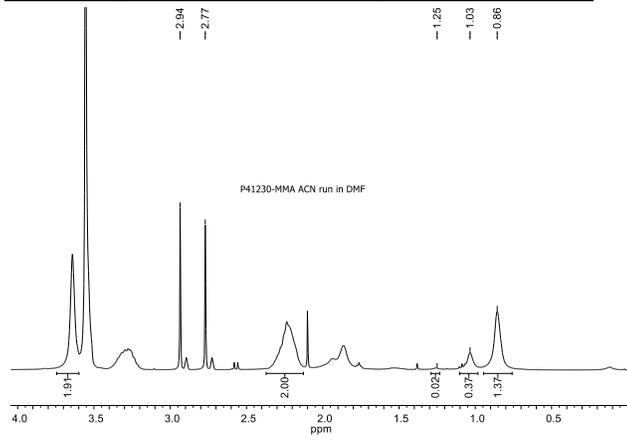
Characterization:

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

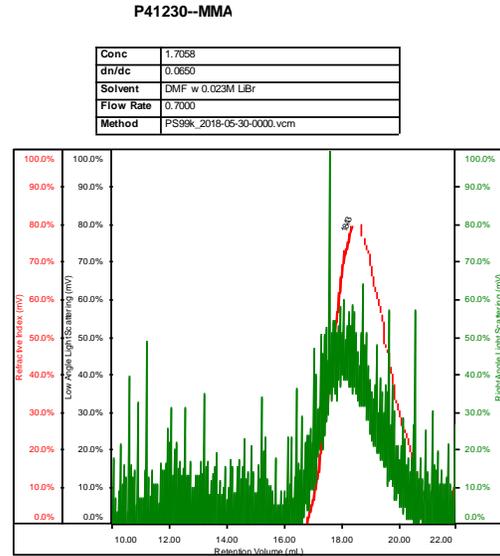
Solubility:

Polymer is soluble DMF and precipitated in methanol and hexanes.

HNMR spectrum of Block Copolymer in DMF:

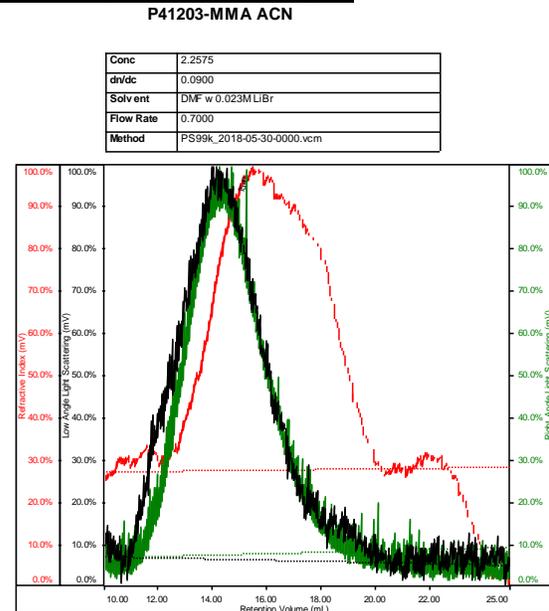


SEC elugram of the PMMA block:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41230-1_01.vdt	14,183	16,040	14,238	1.131	0.2337

SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41230_01.vdt	25,559	85,937	88,182	3.362	2.0672