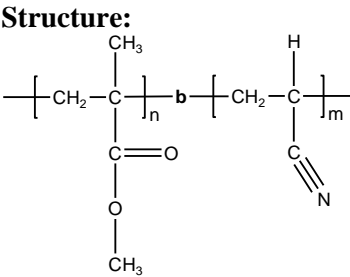


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: P41150A-MMAACN
PMMA block rich in Syndiotactic fraction



Composition:

Mn × 10 ³ MMA-b-ACN	Mw/Mn (PDI)
27.5-b-50.0	1.7

Color : Orange color

Synthesis Procedure:

The polymer is prepared by anionic polymerization process.

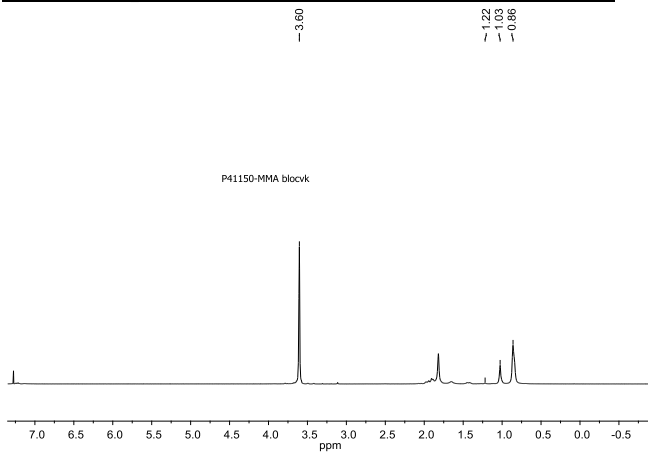
Characterization:

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

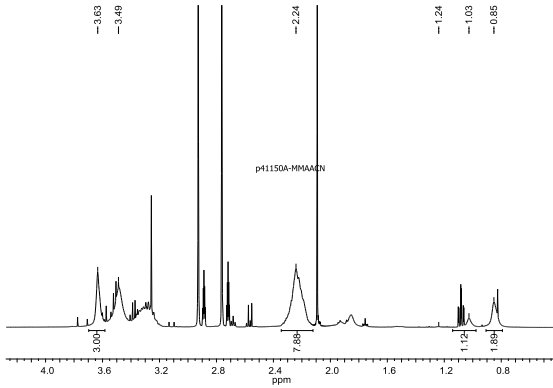
Solubility:

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

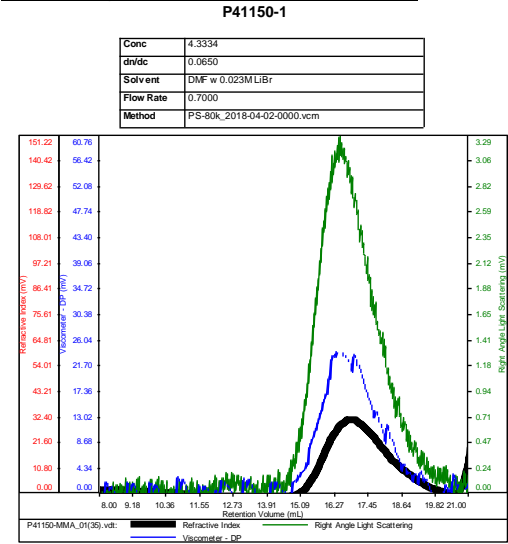
¹H NMR spectrum of the Polymer PMMA block:



¹H NMR of Block Copolymer in DMF:

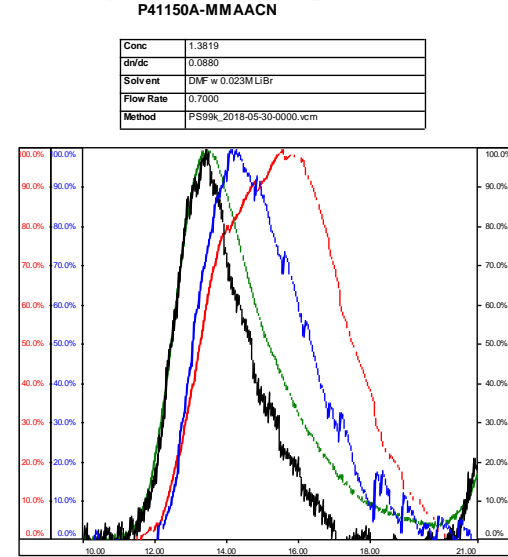


SEC elugram of the MMA block:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41150-MMA_01(35).vdt	27,571	30,130	27,642	1.093	0.1443

SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41150A_01.vdt	77,031	134,542	74,296	1.747	1.1553