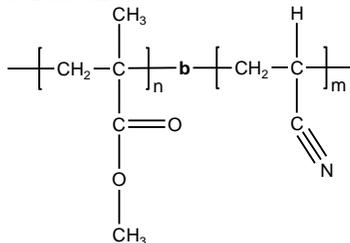


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: P41152-MMAACN
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

Mn × 10 ³ MMA-b-ACN	Mw/Mn (PDI)
37.0-b-29.0	2.0

Color : ivory

Synthesis Procedure:

The polymer is prepared by anionic polymerization process.

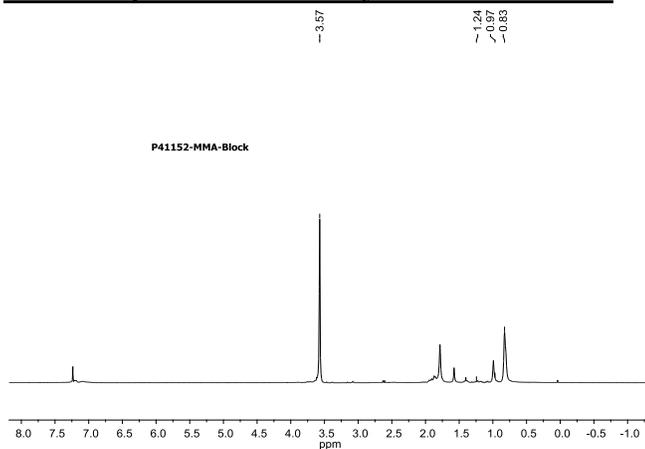
Characterization:

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

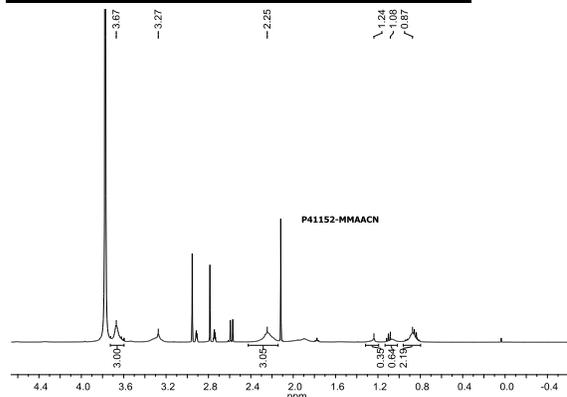
Solubility:

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

¹H NMR spectrum of the Polymer PMMA block:



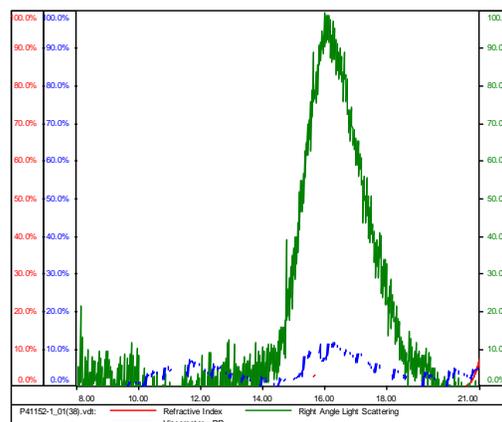
HNMR of Block Copolymer in DMF:



SEC elugram of the MMA block:

P41152-1

Conc	1.3853
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS-80k_2018-04-02-0000.vcm

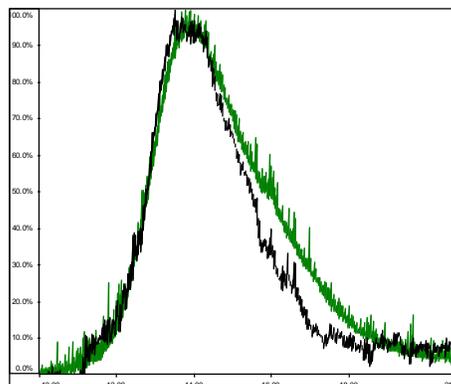


Sample	Mn	Mw	Mp	Mw/Mn	IV
P41152-1_01(38).vdt	36,808	73,731	39,165	2.003	0.1939

SEC elugram of the Sample:

P41152-MMAACN

Conc	1.8013
dn/dc	0.0820
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS99k_2018-05-30-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41152-2_01(57).vdt	60,344	120,783	44,181	2.002	1.5602