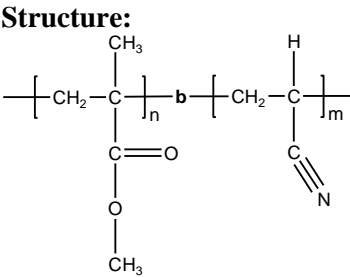


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: P41233-MMAACN
PMMA block rich in Syndiotactic fraction



Composition:

$\text{Mn} \times 10^3$ MMA-b-ACN	Mw/Mn (PDI)
20.0-b-15.0	2.7

Color : ivory

Synthesis Procedure:

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

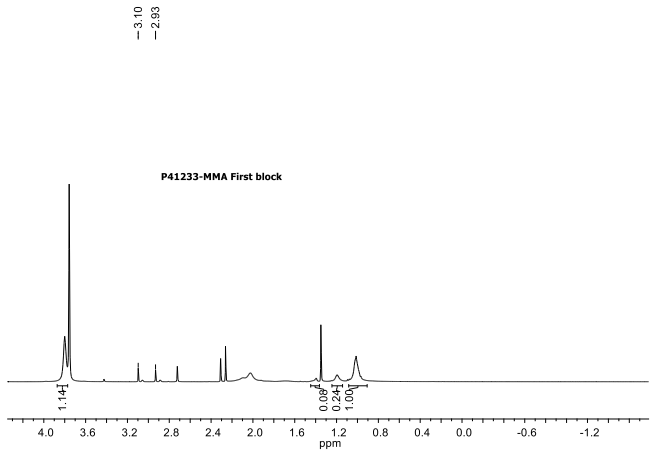
Characterization:

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

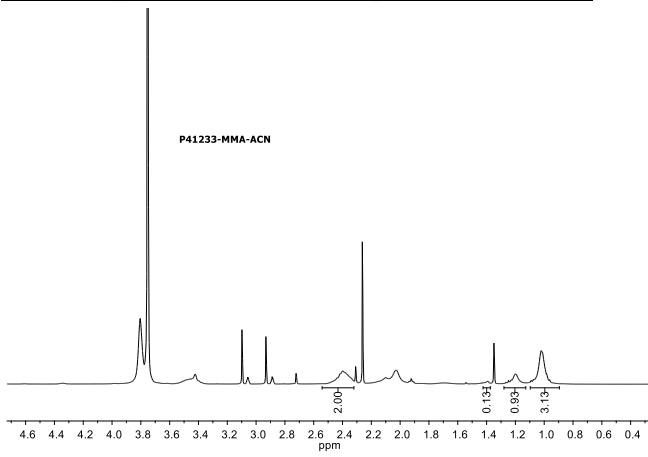
Solubility:

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

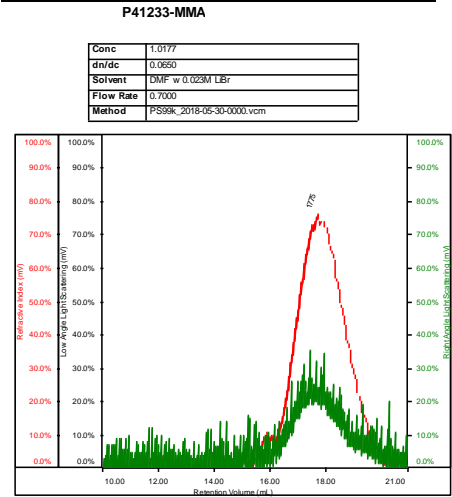
¹H NMR spectrum of the PMMA block:



¹H NMR spectrum of Block Copolymer in DMF:

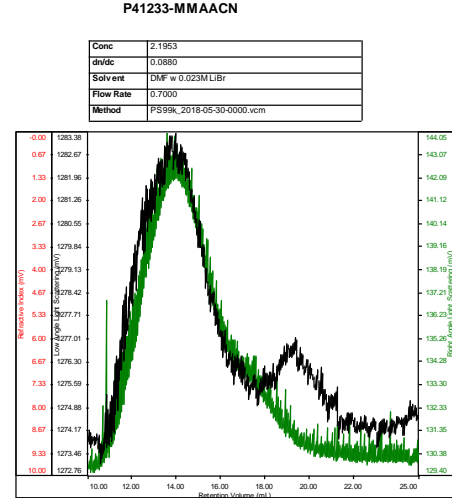


SEC elugram of the PMMA block:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41233-1_01.vcl	20,106	20,671	19,885	1.028	0.4132

SEC elugram of the Sample:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P41233-MMAACN_01.vcl	35,163	96,771	25,367	2.752	1.9788