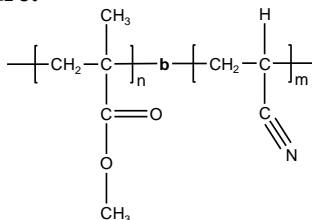


Sample Name:
Poly (Methylmethacrylate-b-Acrylonitrile)

Sample #: **P41177A-MMAACN**
PMMA block rich in Syndiotactic fraction

Structure:



Composition:

$M_n \times 10^3$ MMA-b-ACN	M_w/M_n (PDI)
6.5-b-14.0	2.0

Color of the Product: Dark Brown

Synthesis Procedure:

The polymer is prepared by controlled radical polymerization process.

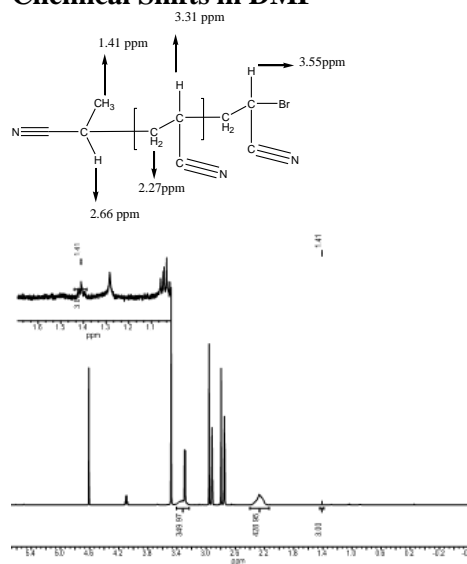
PACN-Br macroinitiator prepared by controlled radical process in ethylene carbonate as solvent.

Characterization:

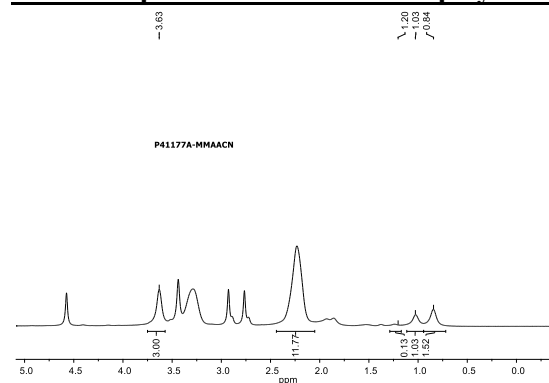
The polymer was characterized by ^1H NMR and size exclusion chromatography (SEC) in DMF.

Composition determined by HNMR and Distribution in DMF by GPC.

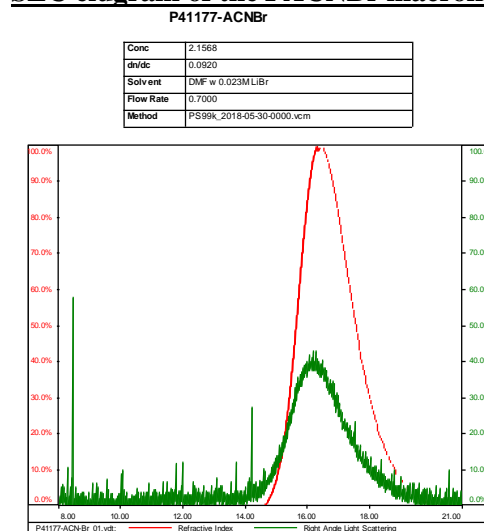
^1H NMR spectrum of the PACN-Br macroinitiator:
Chemical Shifts in DMF



^1H NMR spectrum of the Block copolymer in DMF:

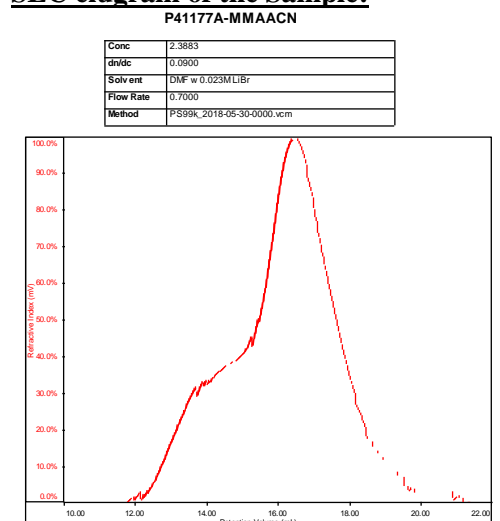


SEC elugram of the PACNBr macroinitiator:



Sample	M_n	M_w	M_p	M_w/M_n	IV
P41177-ACNBr_01.vdt	14,001	15,185	14,095	1.085	0.8650

SEC elugram of the Sample:



Sample	M_n	M_w	M_p	M_w/M_n	IV
P41177-A_01.vdt	21,129	42,932	18,028	2.032	1.0476