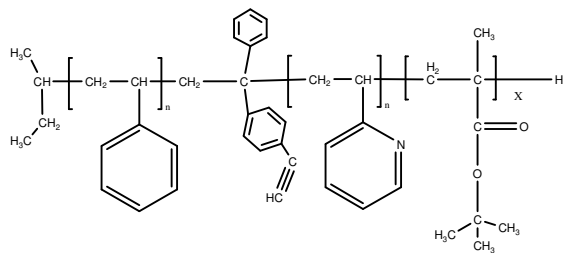


Sample Name: Poly(styrene-b-2-vinyl pyridine-tert butylmethacrylate)
bearing ethynyl (acetylenic triple bond) phenyl –
phenyl ethylene at the junction of S-2VP block
Sample #: P19079-S(acetylene) 2VPtBuMA
Structure:

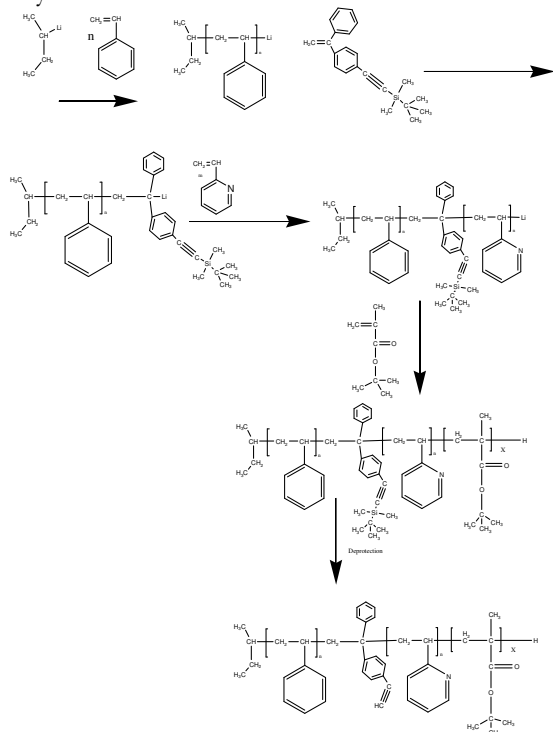


Composition: tBuMA: nBuMA 1:1ratio

Mn x 10 ³ S-b-2VP-b-tBuMA	PDI
41.5-b-38.0-b-166.0 By HNMR	1.17
Tg: °C S:2VP:tBuMA	101:119:124

Synthesis Procedure:

By anionic Process



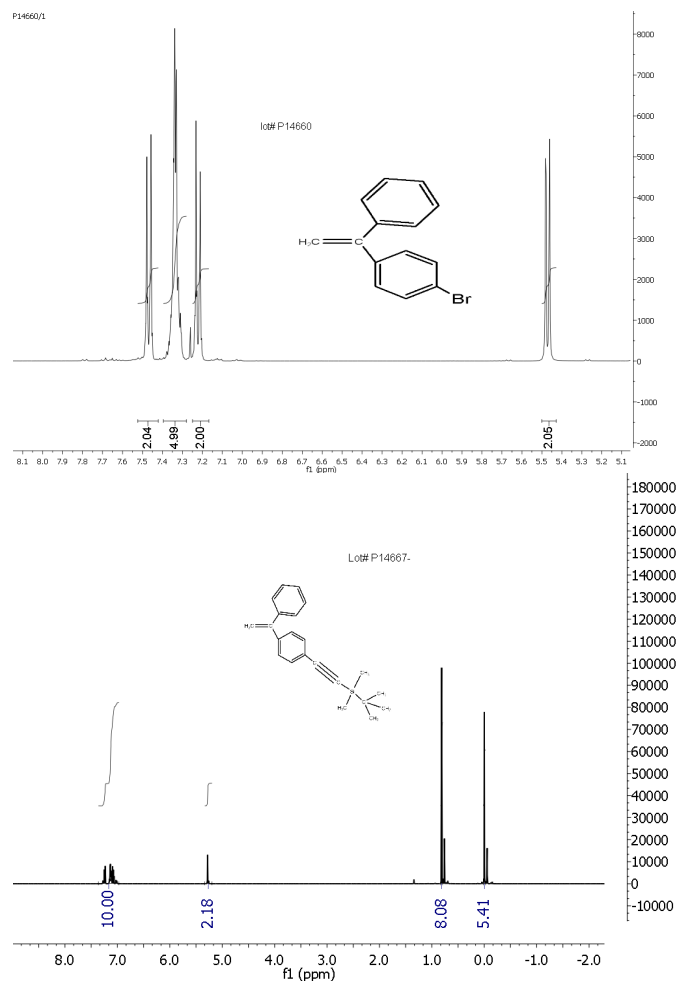
Characterization:

By SEC and HNMR spectroscopy.

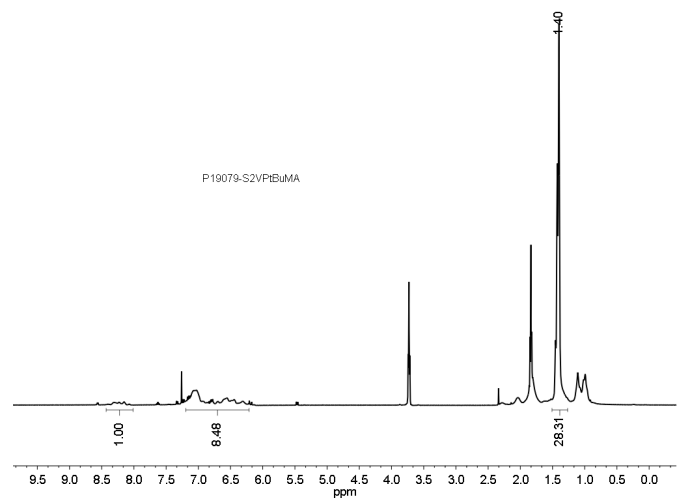
DPE-4Br:

The product was characterized by NMR and FTIR.

H NMR:



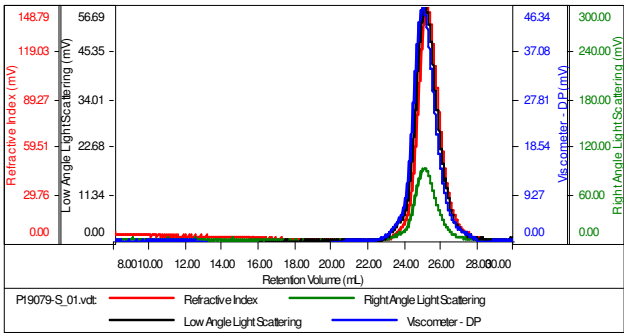
¹H-NMR Spectrum of the polymer



SEC for the polymer at different stages:

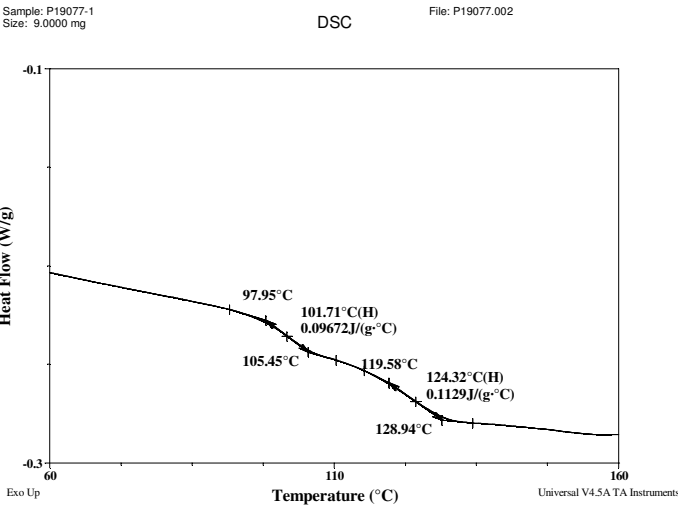
Sample ID: P19079-S

Concentration (mg/mL)	3.1860
Sample dn/dc (mL/g)	0.1860
Method File	PS80K-Jan22-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



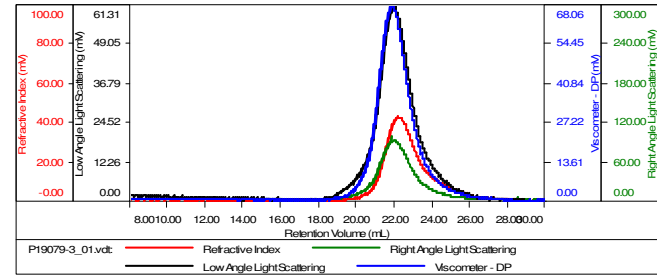
Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19079-S_01.vdt	41,514	43,909	41,399	1.058	0.4397

DSC:



Sample ID: P19079-S2VPtBuMA

Concentration (mg/mL)	2.4114
Sample dn/dc (mL/g)	0.1100
Method File	PS80K-Jan22-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P19079-S_01.vdt	246,090	287,761	280,790	1.169	1.1704