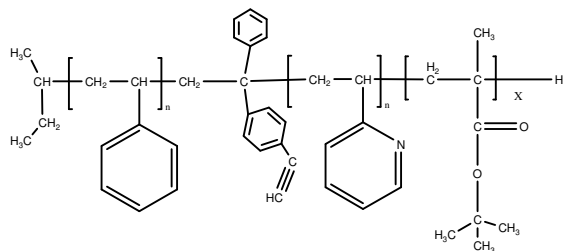


Sample Name: Poly(styrene-b-2-vinyl pyridine-tert butylmethacrylate)
bearing ethynyl (acetylenic triple bond) phenyl –
phenyl ethylene at the junction of S-2VP block
Sample #: P19077-S(acetylene) 2VPtBuMA
Structure:

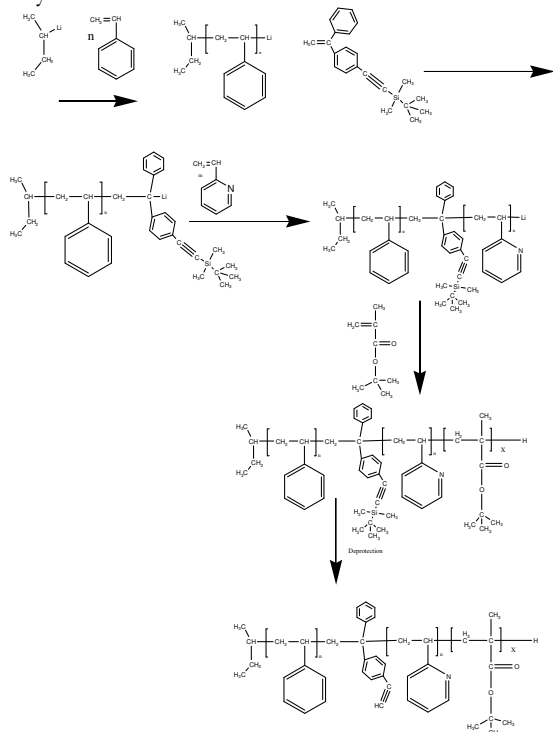


Composition: tBuMA: nBuMA 1:1ratio

Mn x 10 ³ S-b-2VP-b-tBuMA	PDI
54.0-b-48.0-b-218.0 By HNMR	1.15
Tg: °C S:2VP:tBuMA	101:119:124

Synthesis Procedure:

By anionic Process



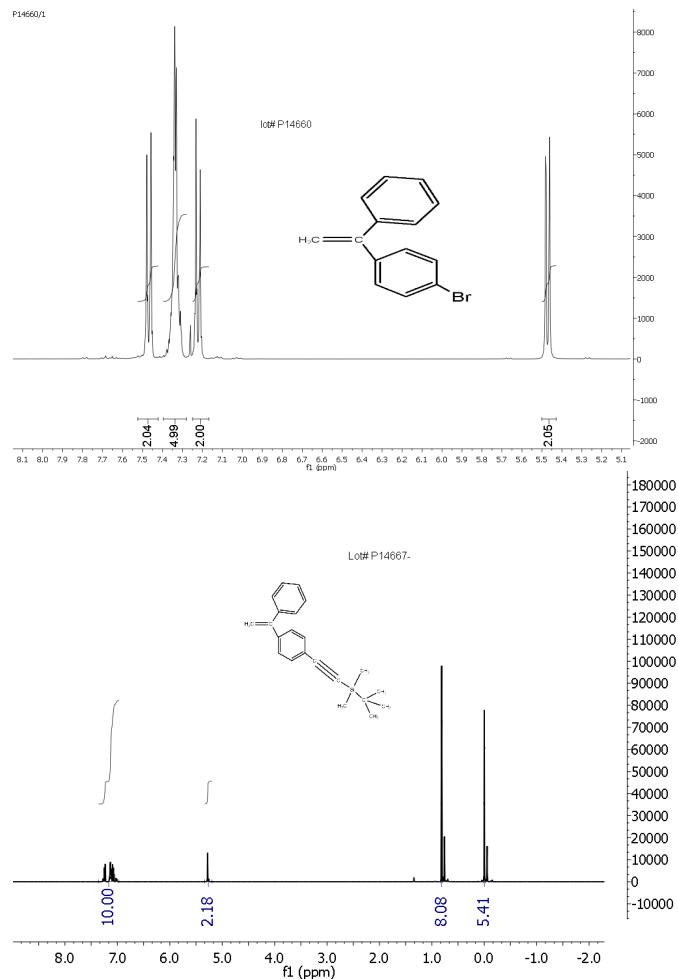
Characterization:

By SEC and HNMR spectroscopy.

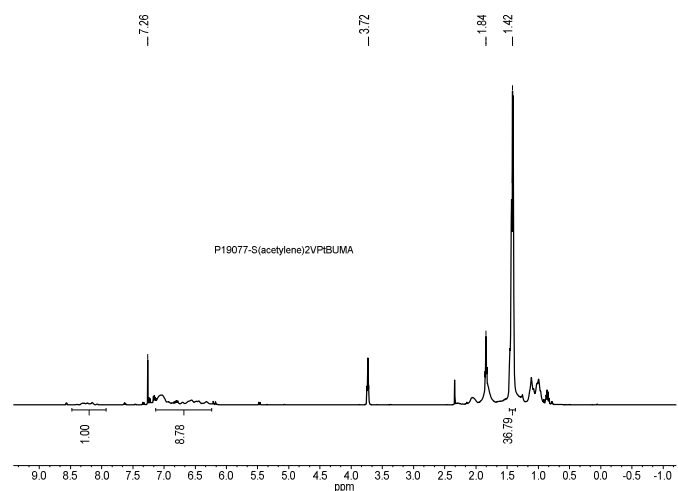
DPE-4Br:

The product was characterized by NMR and FTIR.

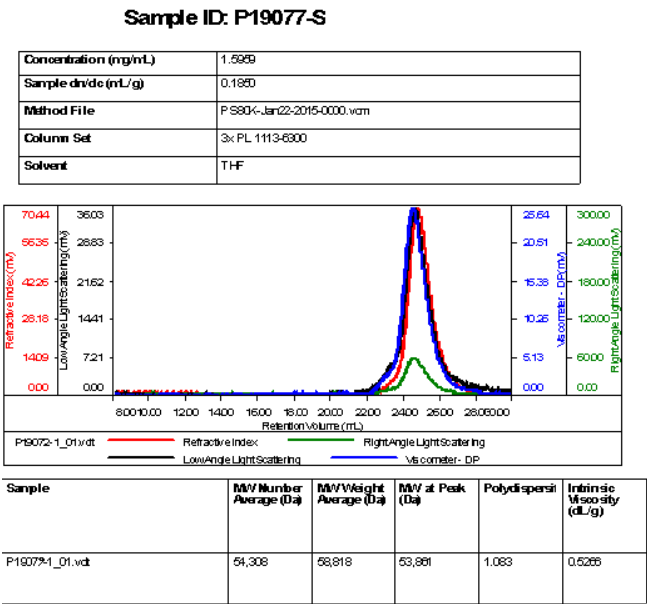
H NMR:



¹H-NMR Spectrum of the polymer



SEC for the polymer at different stages:



DSC:

