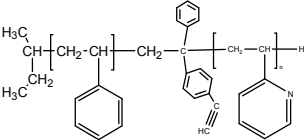


Sample Name: Poly (Styrenee-b-2-vinyl pyridine) bearing ethynyl (acetylenic triple bond) phenyl – phenyl ethylene at the junction of S-2VP block

Sample #: P40223-S (acetylene) 2VP

Structure:

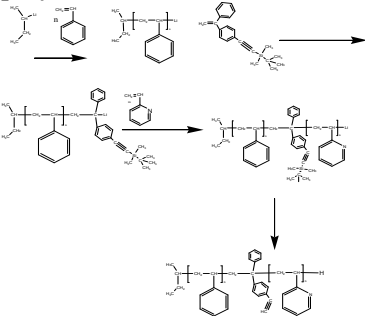


Composition:

Mn x 10 ³ S-b-2VP	PDI
177.5-b-63.0	1.05

Synthesis Procedure:

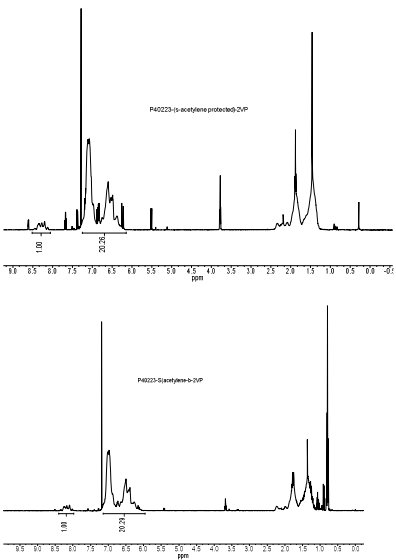
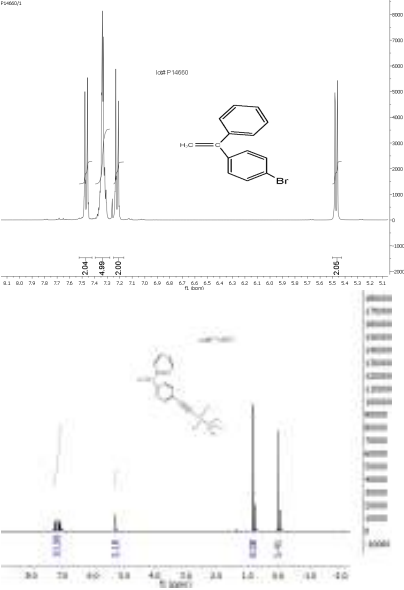
The polymer was synthesized by anionic polymerization



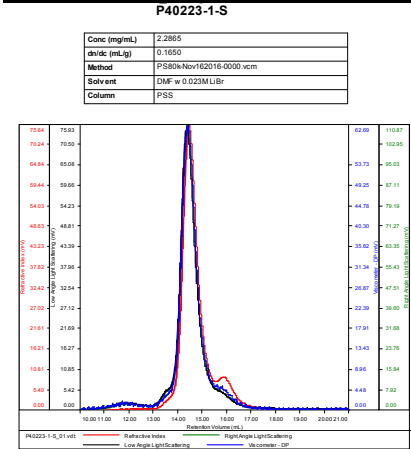
Characterization:

The product was characterized by size exclusion chromatography (SEC) and 1H NMR.

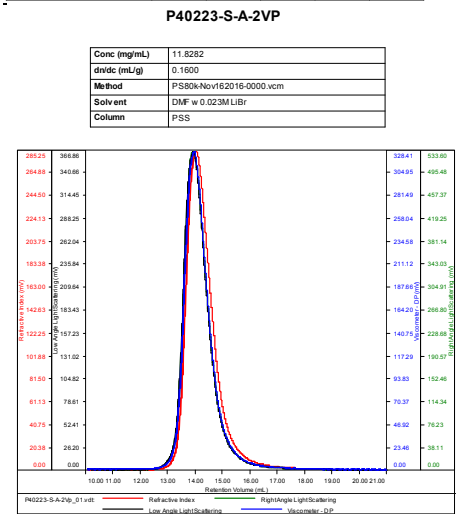
DPE-4Br: The product was characterized by NMR



SEC for the polymer at different stages:



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40223-1-S_01.vst	177,454	190,508	194,885	1.074	0.2481



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40223-S-A-2VP_01.vst	240,234	253,293	259,314	1.054	0.3171