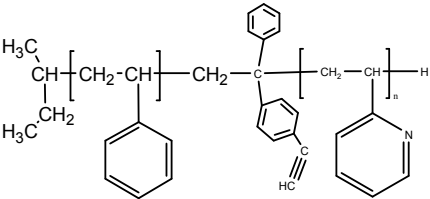


Sample Name:
Poly (Styrenee-b-2-vinyl pyridine) bearing ethynyl (acetylenic triple bond) phenyl –phenyl ethylene at the junction of S-2VP block
Sample #: **P40220-S (acetylene) 2VP**

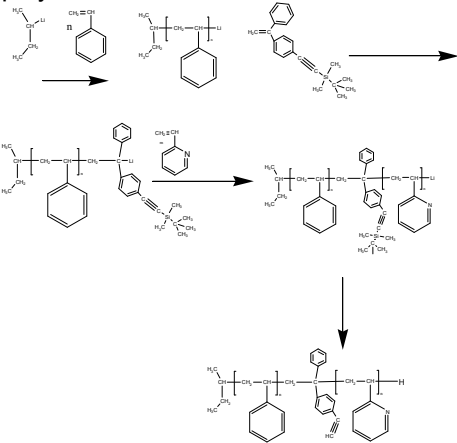
Structure:



Composition:

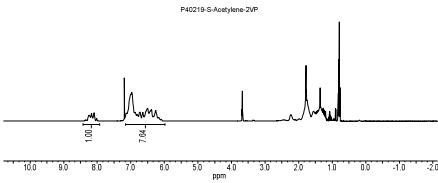
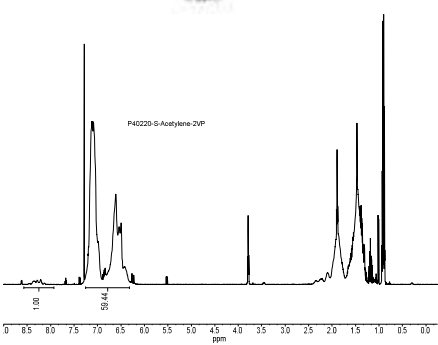
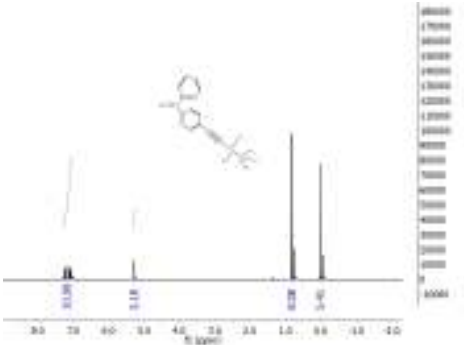
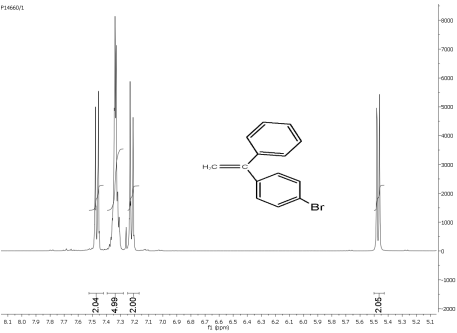
Mn x 10 ³ S-b-2VP	PDI
240.0-b-22.0	1.03

Synthesis Procedure:
The polymer was synthesized by anionic polymerization.



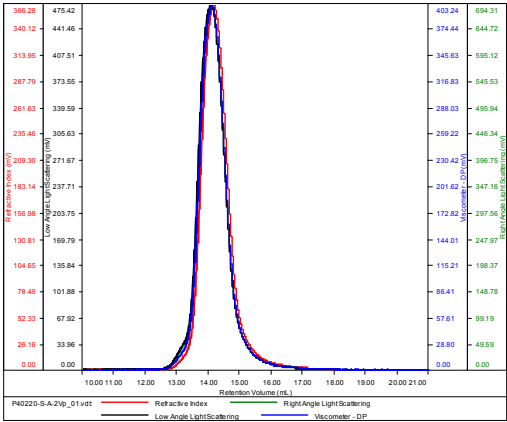
Characterization:
The product was characterized by size exclusion chromatography (SEC) and 1H NMR.

DPE-4Br: The product was characterized by NMR and FTIR.



SEC for the polymer at different stages:
P40220-S-A-2VP

Conc (mg/mL)	13.6530
dn/dc (mL/g)	0.1600
Method	PS80K-Nov162016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40220-S-A-2vp_01.vdt	262,662	270,656	265,849	1.030	0.3165