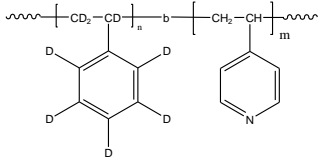


Sample Name: Deuterated Polystyrene (d₈)- 4 vinyl pyridiene (protonated)

Sample #: P40649-dPS4VP

Structure:



Composition:

Mn x 10 ³ (dPS-b-4VP)	PDI
19.5-b-5.5	1.08
T _g for dPS block	104°C
T _g for 4VP block	149 °C

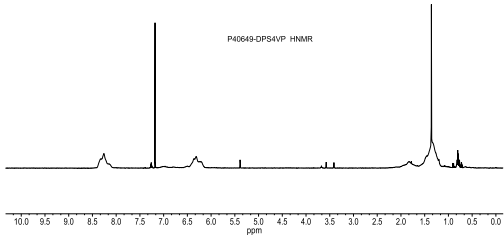
Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

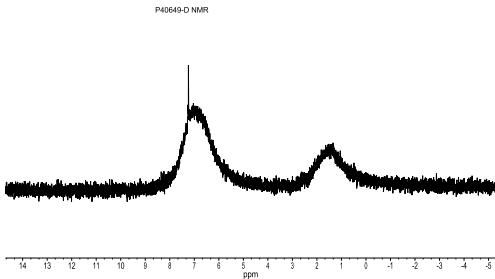
Characterization:

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

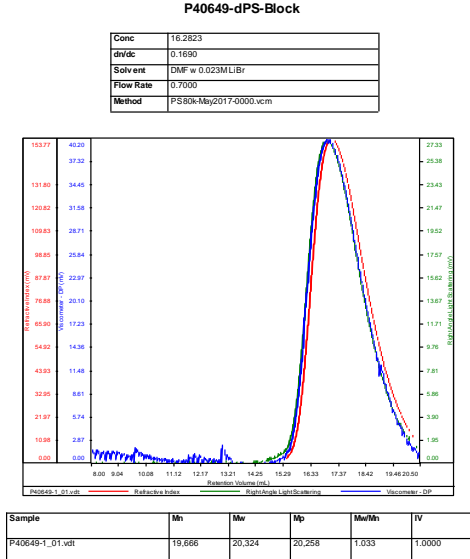
HNMR of the polymer:



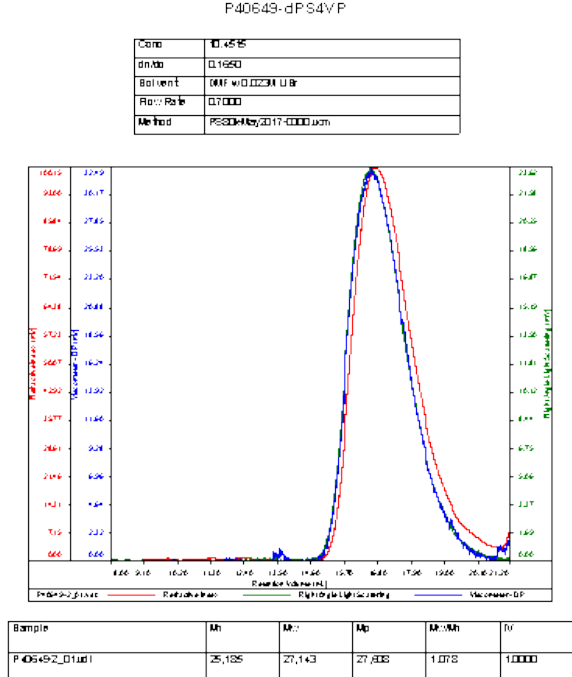
H² NMR of the polymer:



SEC elugram of the dPS Block:



SEC elugram of the product:



DSC thermogram for dPS block:

