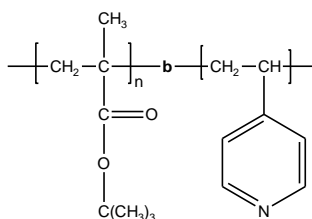


Sample Name:

Poly (t-butyl methacrylate-b-4-vinyl pyridine)

Sample #: **P43672-tBuMA4VP**

Structure:



Composition:

Mn $\times 10^3$ tBuMA-4VP	PDI
132.0-b-15.0	1.20

T _g for tBuMA block: 127 °C
T _g for 4VP block: 152 °C

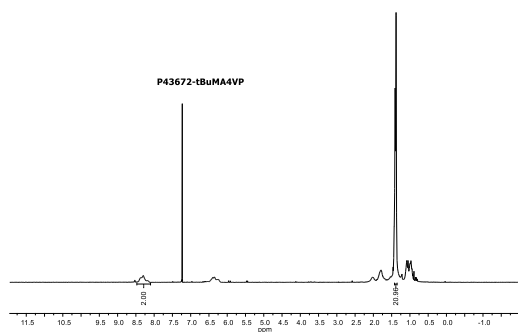
Synthesis Procedure:

Poly(t-butyl methacrylate-b-4-vinyl pyridine) is synthesized by anionic polymerization process.

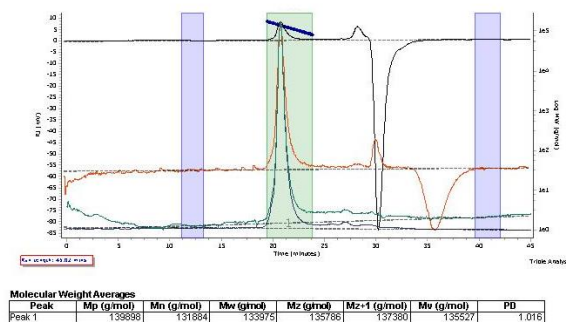
Characterization:

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

¹H NMR Spectrum of the block copolymer:

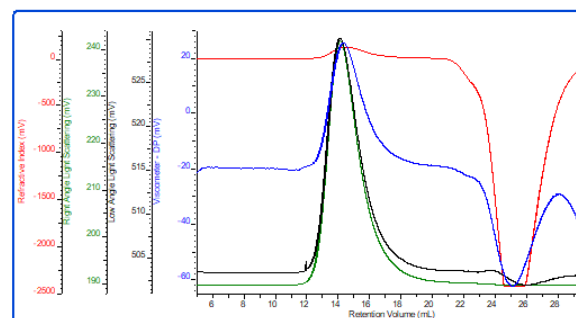


SEC elugram of the first Block:

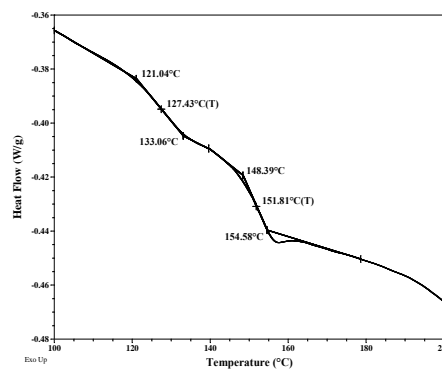


SEC elugram of the Sample:

P43672-4VPtBuMA	
dn/dc	0.1000
Flow Rate	0.7000
Solvent	DMF with LiBr
Method	Calibration_2020-11-25_PMMA-85K-0004.vcm



DSC Thermogram of the polymer:



Reference:

S. K. Varshney, X. F. Zhong and A. Eisenberg
Macromolecules, 1993, 26, 701-706.