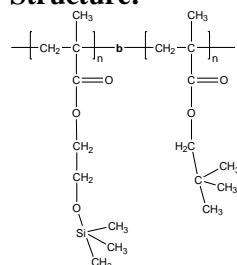


**Sample Name:** Poly (trimethylsiloxy-2-ethyl methacrylate)-b-poly (neopentyl methacrylate)

**Sample #:** P40836-HEMATMSNPMA

**Structure:**



**Composition:**

Mn $\times 10^3$ HEMATMS-b-NPMA	PDI
10.0-b-172.0	1.16
T <sub>g</sub> for NPMA block:	119°C

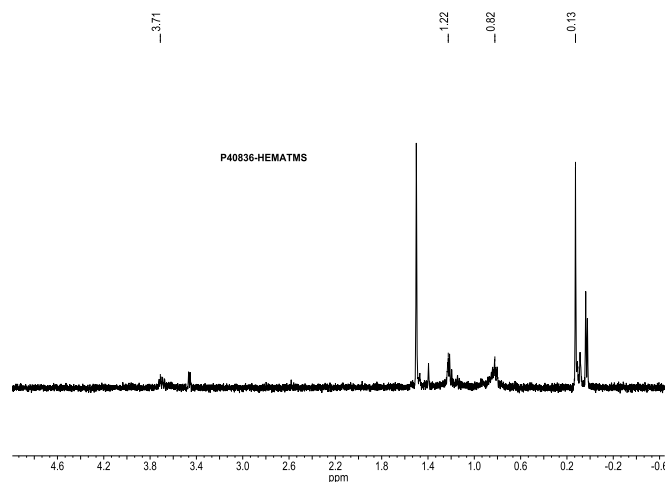
**Synthesis Procedure:**

Polymer was synthesized by anionic polymerization process.

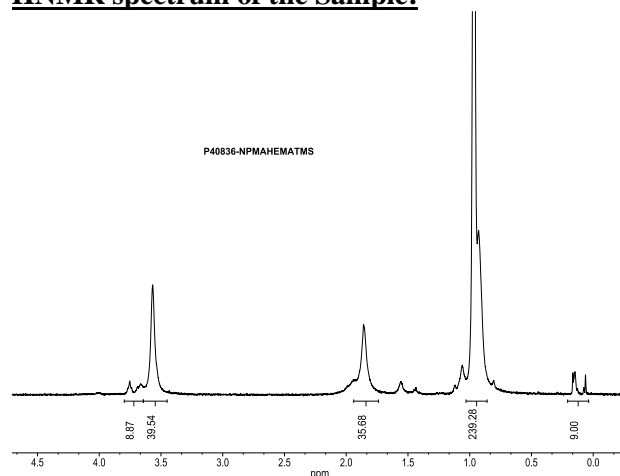
**Characterization:**

Polymer was analyzed by size exclusion chromatography (SEC) to obtain the molecular weight and polydispersity index (PDI). The final block copolymer composition was calculated from HNMR analysis.

**HNMR spectrum of the first block:**



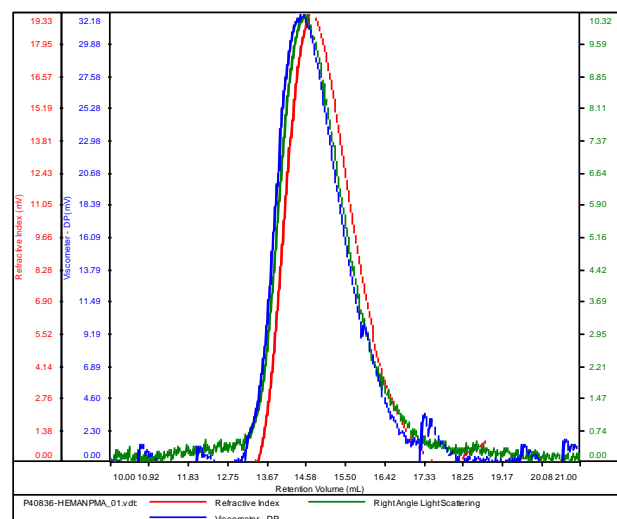
**HNMR spectrum of the Sample:**



**SEC of the block copolymer:**

P40836-NPMA-HEMATMS

Conc	2.2667
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2017-11-07-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40836-HEMANPMA_01.vdt	188,027	219,399	187,478	1.167	44.9754