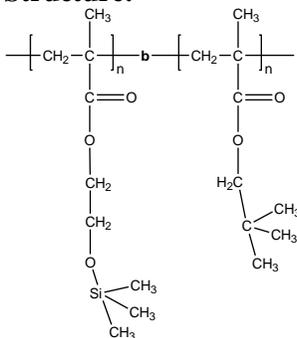


**Sample Name:** Poly(Trimethylsiloxy 2- ethyl methacrylate-b-Neopentyl methacrylate)

**Sample #:** P40968A-HEMATMSNPMA

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup> HEMA-TMS-b-NPMA	PDI
10.5-b-280.0	1.15
T <sub>g</sub> for NPMA block:	119°C

**Synthesis Procedure:**

Polymer was synthesized by GTP polymerization process.

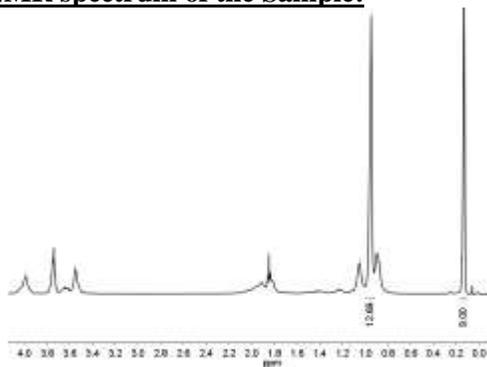
**Characterization:**

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.

**Thermal analysis**

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T<sub>g</sub>).

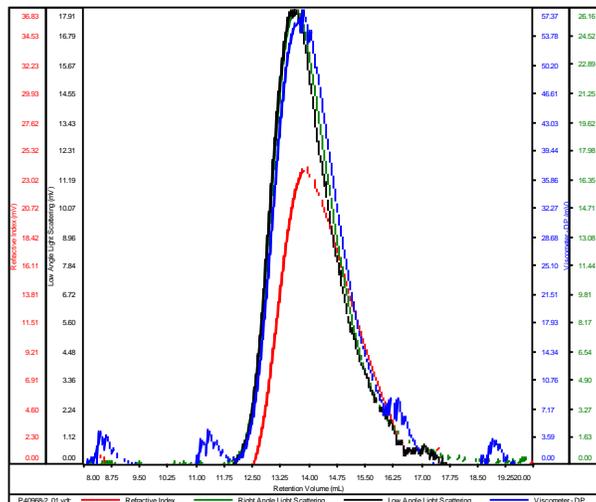
**HNMR spectrum of the Sample:**



**SEC elugram of the block copolymer:**

P40968-2

Conc	2.9556
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2018-02-15-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40968-2_01.vdt	288,694	333,090	338,385	1.154	0.4493

**DSC thermogram for NPMA block:**

