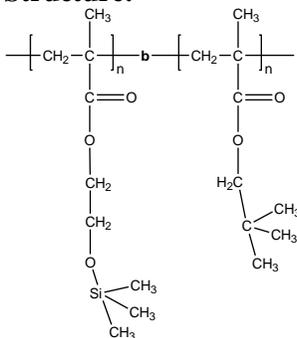


**Sample Name:** Poly(Trimethylsiloxy 2- ethyl methacrylate-b-Neopentyl methacrylate)

**Sample #:** P40974-HEMATMSNPA

**Structure:**



**Composition:**

Mn × 10 <sup>3</sup>	PDI
HEMA-TMS-b-NPMA	
10.0-b-196.0	1.05
T <sub>g</sub> for NPMA block:	119°C

**Synthesis Procedure:**

Polymer was synthesized by GTP polymerization process.

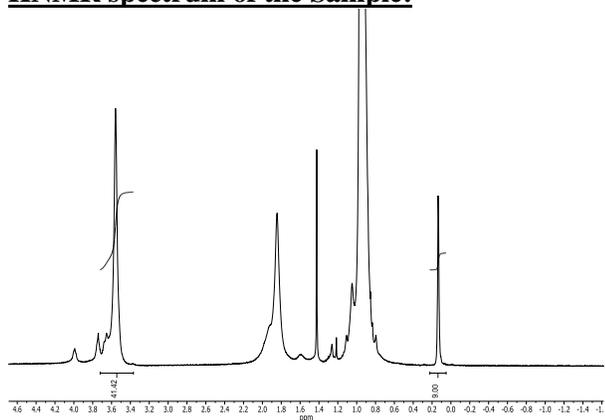
**Characterization:**

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>).

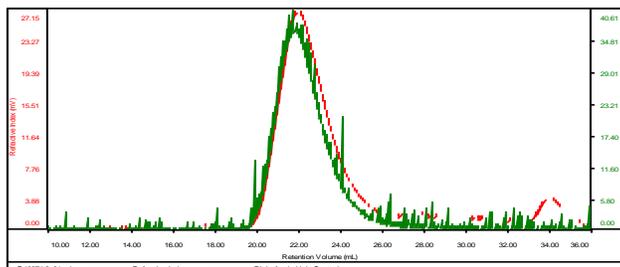
**HNMR spectrum of the Sample:**



**SEC elugram of the block copolymer:**

P40974-2

Concentration (mg/mL)	13.4057
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-mar-2018-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40974-2_01.vdt	206,769	217,775	1.053	0.2230	230,711

**DSC thermogram for NPMA block:**

