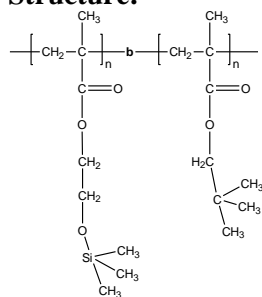


**Sample Name:** Poly (trimethylsiloxy-2-ethyl methacrylate)-b-poly (neopentyl methacrylate)

**Sample #:** P18886-HEMATMSNPMA

### Structure:



### Composition:

$M_n \times 10^3$ HEMA-TMS-b-NPMA	PDI
19.0-b-26.5	1.4
$T_g$ for NPMA block:	119°C

### Synthesis Procedure:

Polymer was synthesized by GTP polymerization process.

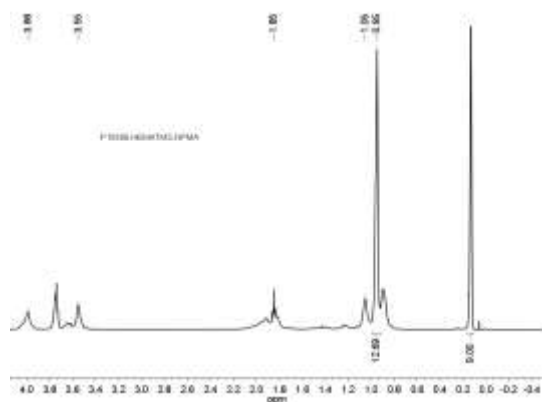
### Characterization:

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 ( $T_g$ ).

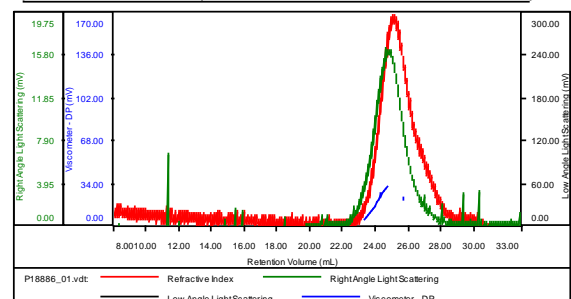
### HNMR spectrum of the Sample:



### SEC elugram of the block copolymer:

Sample ID: P18886-2

Concentration (mg/mL)	2.6661
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-0916-2014-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P18886_01.vdt	45,416	63,796	63,084	1.405	0.5517

### DSC thermogram for NPMA block:

