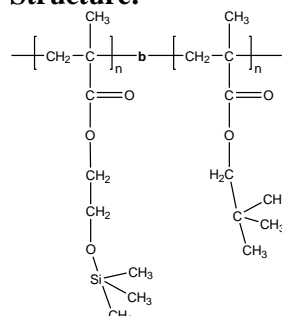


Sample Name: Poly(Trimethylsiloxy 2- ethyl methacrylate-*b*-Neopentyl methacrylate)

Sample #: P40975-HEMATMSNPMA

Structure:



Composition:

Mn × 10 ³ HEMA-TMS- <i>b</i> -NPMA	PDI
10.0- <i>b</i> -225.0	1.14
T _g for NPMA block:	119°C

Synthesis Procedure:

Polymer was synthesized by GTP polymerization process.

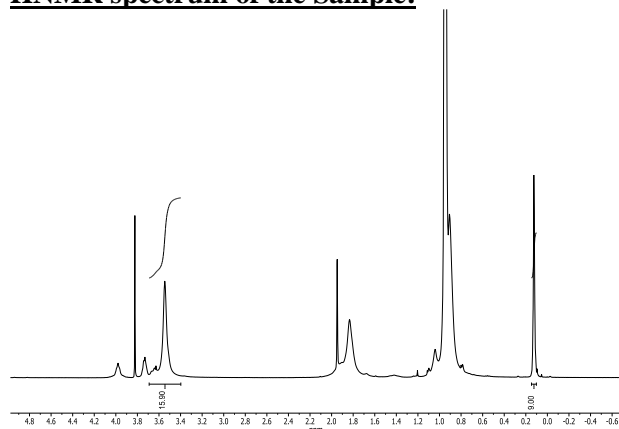
Characterization:

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).

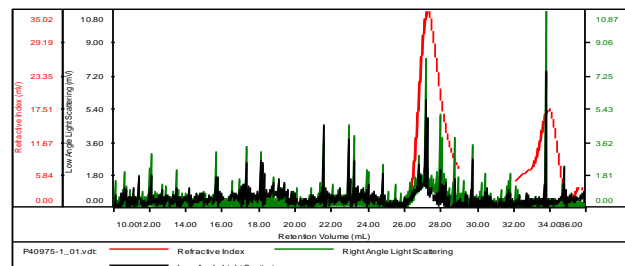
HNMR spectrum of the Sample:



SEC elugram of the HEMATMS block:

P40975-HEMATMS

Concentration (mg/mL)	12.5856
Sample dn/dc (mL/g)	0.0650
Method File	PS80K-mar-2018-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF

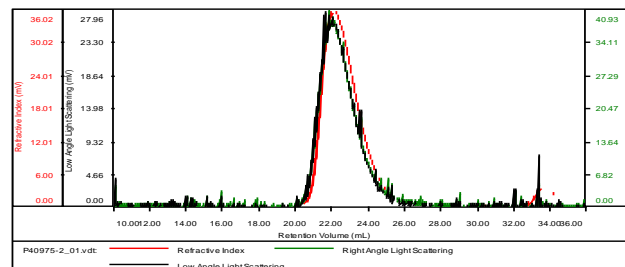


Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40975-1_01.vdt	9,755	11,104	1.138	1.0000	9,044

SEC elugram of the block copolymer:

P40975-2

Concentration (mg/mL)	18.6059
Sample dn/dc (mL/g)	0.0650
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)
P40975-2_01.vdt	235,183	241,643	1.027	0.1461	253,692

DSC thermogram for NPMA block:

