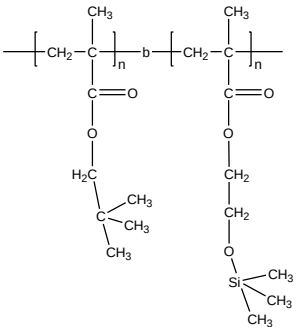
Sample Name**: Poly (Neopentyl methacrylate-b-Trimethylsiloxy 2- ethyl methacrylate**

Sample #: **P18885-NPMAHEMATMS**

Structure:



Composition:

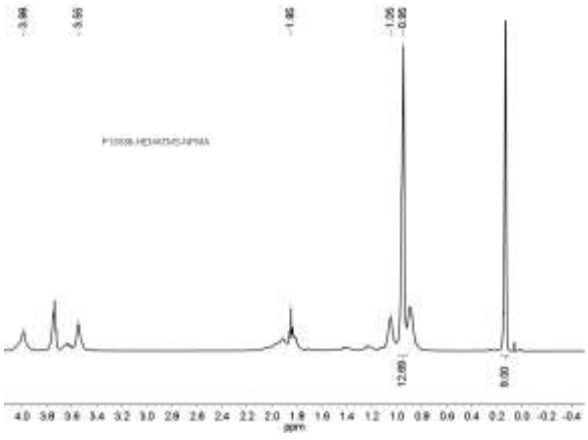
$Mn \times 10^3$ NPMA-b-HEMATMS	PDI
5.0-b-5.5	1.10
T_g for NPMA block:	119^oC

Synthesis Procedure:
The polymer was synthesized by GTP polymerization process.

Characterization:
The product was characterized by size exclusion chromatography (SEC) and ^1H NMR.

Thermal analysis
Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10^{o}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).

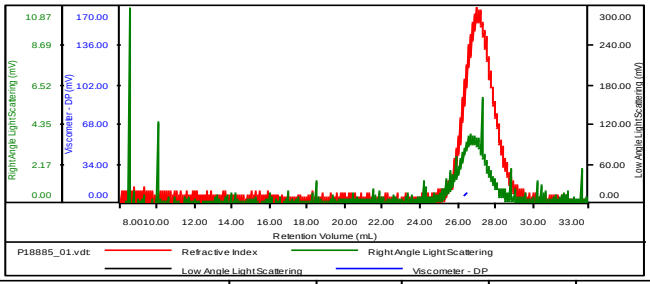
^{1}H NMR spectrum of NPMA-HEMATMS:



SEC elugram of the block copolymer:

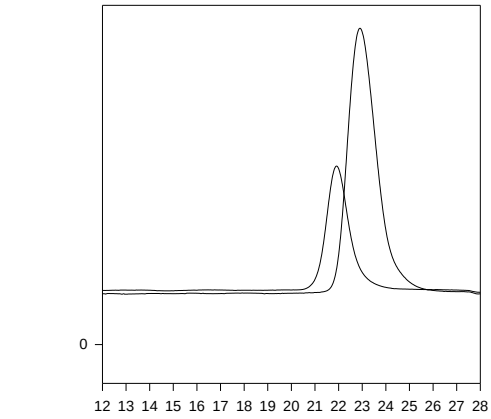
Sample ID: P18885--2

Concentration (mg/mL)	1.5969
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)	Polydispersit	Intrinsic Viscosity (dL/g)
P18885_01.vdt	10,332	11,376	13,631	1.101	0.2143

P18885-NPMA-HEMATMS



Size exclusion chromatography of poly(Neopentyl methacrylate-b-HEMATMS)

PNPMA: M_n=5,000, M_w=5,500, PI=1.05

Block copolymer Mn : NPMA(5,000)-b-HEMATMS 5,500) Mw/Mn 1.10

DSC thermogram for NPMA block: