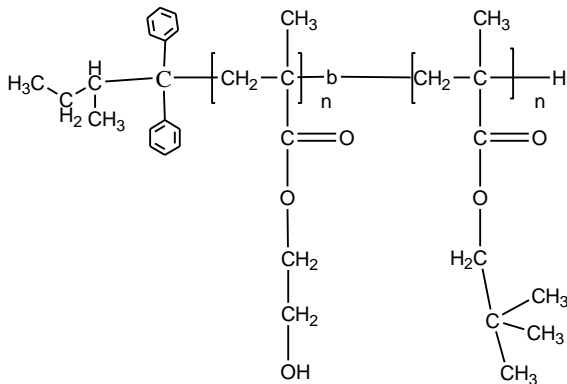


Sample Name: Poly (2-hydroxyethyl methacrylate)-
b-neopentyl methacrylate)

Sample #: P19801-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	Mw/Mn
2.0-b-165.0	1.5

HEMA:NPMA	4:96 molar ratio
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T_g for NPMA block:	119°C
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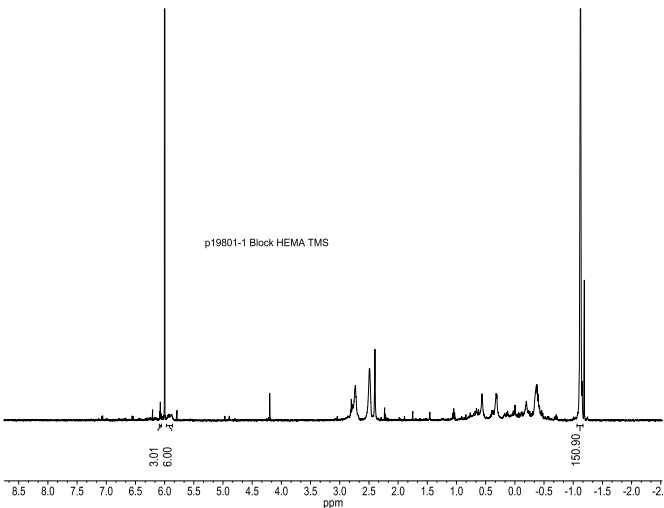
Synthesis:

The polymer was synthesized by anionic polymerization process. In this batch HEMATMS monomer polymerized first followed by NPMA monomer

Characterization:

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

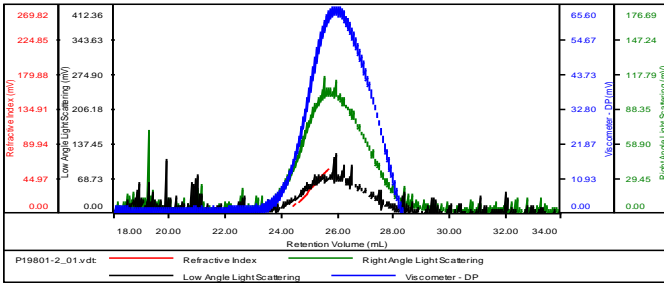
^1H NMR of the First Block:



SEC elugram of HEMATMS-NPMA in THF at 60°C:

Sample ID-19801-HEMATMS-NPMA

Concentration (mg/mL)	1.4183
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-March2016-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Rh (nm)	Ret Vol (mL)
P19801-2_01.v dt	168,776	255,851	1.516	4.7960	33.56	26.220