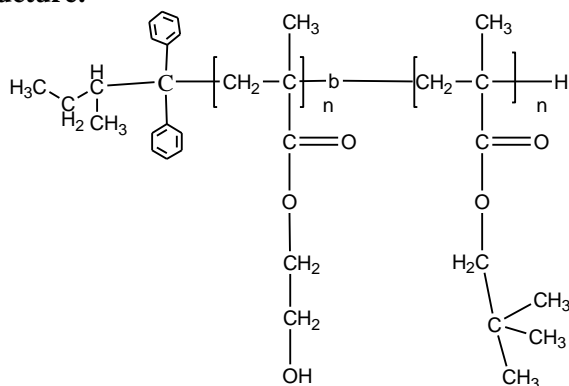


Sample Name: Poly (2-hydroxyethyl methacrylate-b-neopentyl methacrylate)

Sample #: P40123-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$	M_w/M_n
HEMA-b-NPMA	
7.5-b-145.0	1.27

HEMA:NPMA	5:95 molar ratio
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T_g for NPMA block:	119°C
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Synthesis:

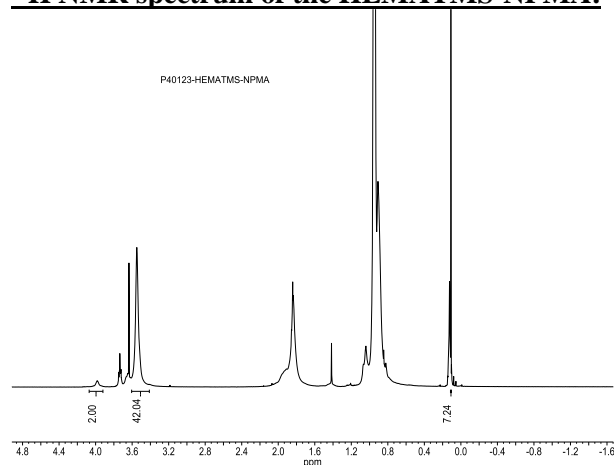
The polymer was synthesized by anionic polymerization process.

In this batch HEMATMS monomer polymerized first followed by NPMA monomer

Characterization:

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

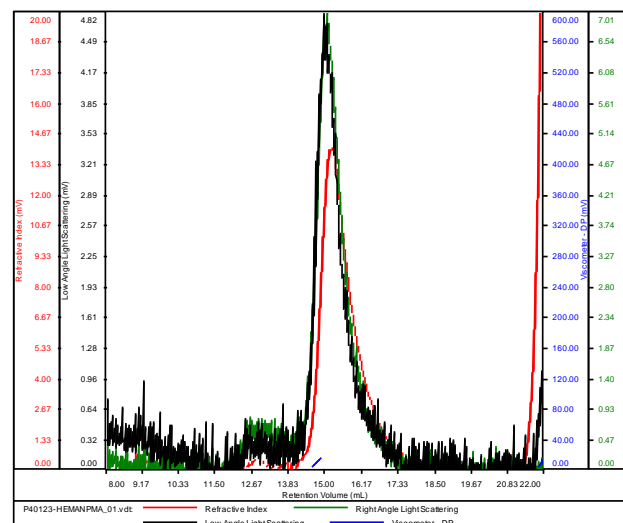
^1H NMR spectrum of the HEMATMS-NPMA:



SEC elugram of HEMATMSNPMA in DMF at 60°C:

P40123-HEMA-NPMA

Conc (mg/mL)	0.7024
dn/dc (mL/g)	0.0640
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	M_n	M_w	M_p	M_w/M_n	IV
P40123-HEMANPMA_01.vdt	151,594	193,508	190,940	1.276	0.3405