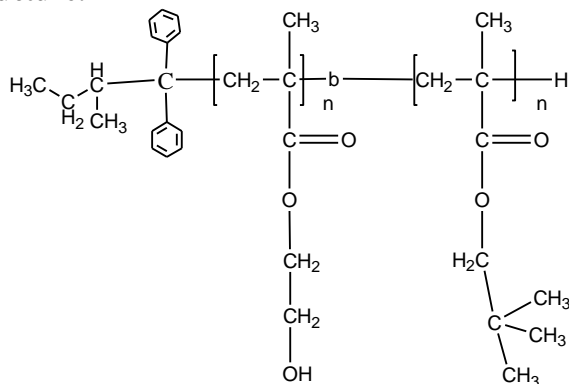


Sample Name: Poly (2-hydroxyethyl methacrylate)-
b-neopentyl methacrylate)

Sample #: P40064-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	M_w/M_n
9.0-b-363.0	1.18

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

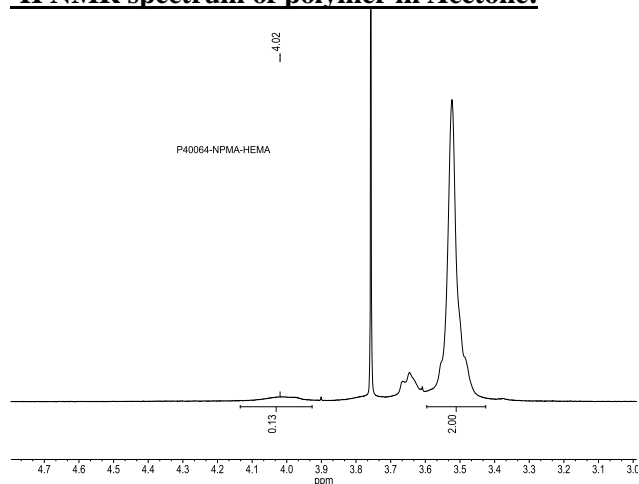
The polymer was synthesized by anionic polymerization process.

In this batch HEMATMS monomer polymerized first followed by NPMA monomer

Characterization:

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

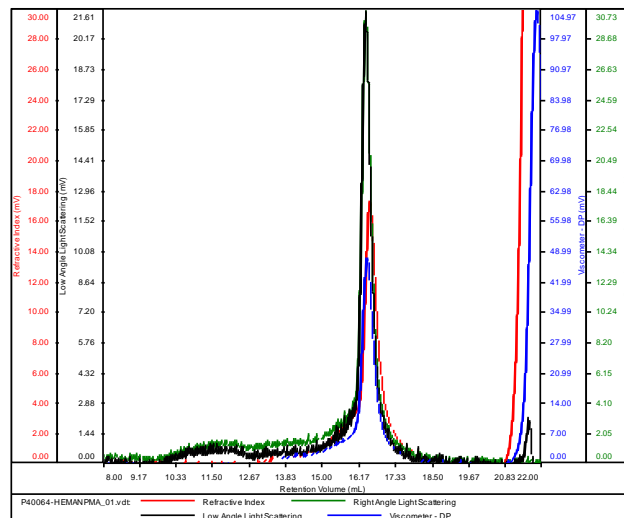
1H NMR spectrum of polymer in Acetone:



SEC elugram of HEMANPMA in DMF at 60°C:

P40064-HEMA-NPMA

Conc (mg/mL)	0.5367
dn/dc (mL/g)	0.0650
Method	PS80k-July22-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	M_n	M_w	M_p	M_w/M_n	IV
P40064-HEMANPMA_01.vdt	372,480	442,997	470,178	1.189	0.5007