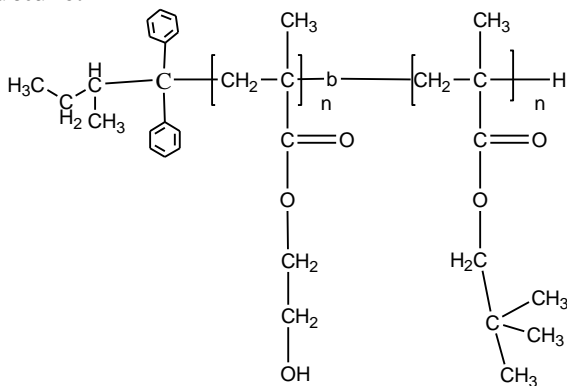


Sample Name: Poly (2-hydroxyethyl methacrylate)-
b-neopentyl methacrylate)

Sample #: P40063-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	Mw/Mn
10.0-b-171.0	1.25

HEMA:NPMA	10:90 molar ratio
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T_g for NPMA block:	119°C
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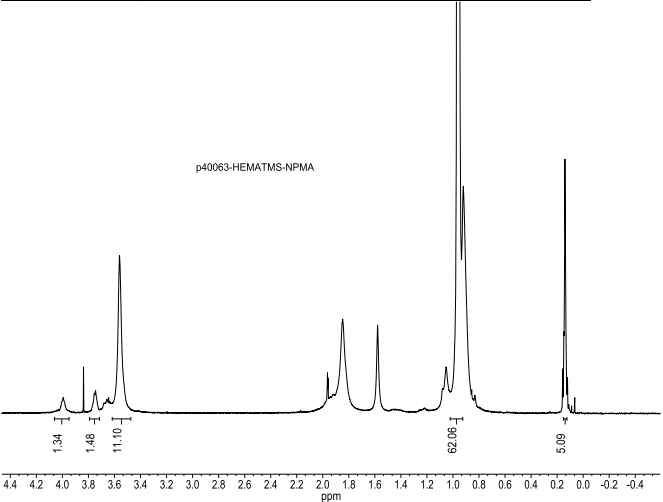
Synthesis:

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

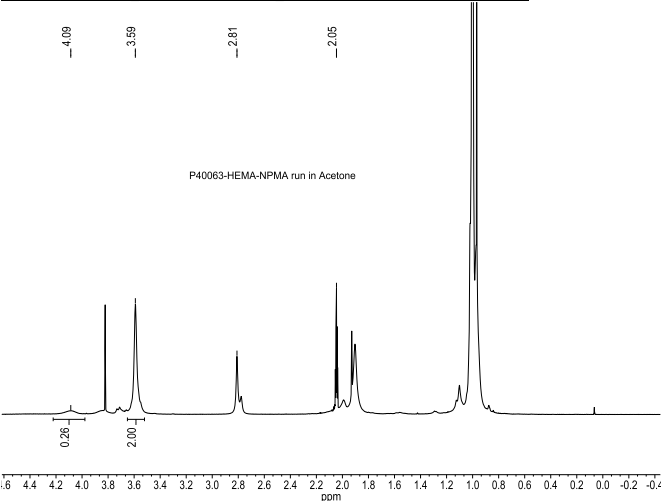
Characterization:

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

^1H NMR spectrum of the HEMATMS-NPMA:



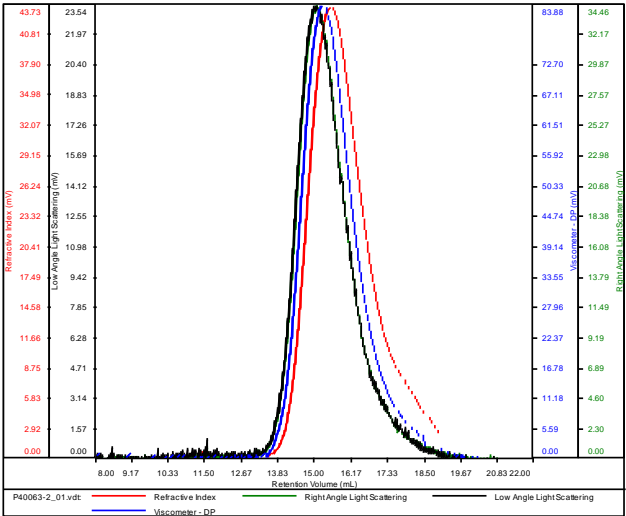
^1H NMR spectrum of polymer in Acetone:



SEC elugram of HEMATMSNPMA in DMF at 60°C:

P40063-HEMATMS-NPMA

Conc (mg/mL)	4.7399
dn/dc (mL/g)	0.0650
Method	PS80k-July22-2016-0000.vcm
Solvent	DMF w/0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40063-2_01.vdt	181,260	227,334	208,672	1.254	0.3734