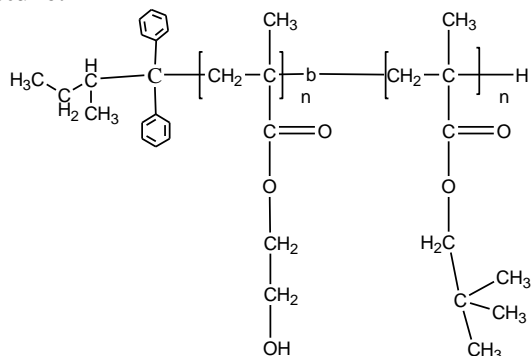


Sample Name: Poly (2-hydroxyethyl methacrylate – b-neopentyl methacrylate)

Sample #: P40065-HEMANPMA

Structure:



Composition:

Mn × 10 ³	Mw/Mn
HEMA-b- NPMA	
40.0-b-785.0	1.27

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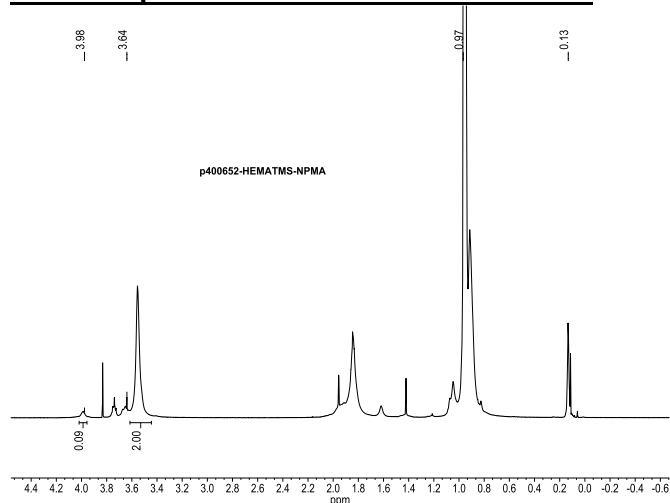
Synthesis:

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

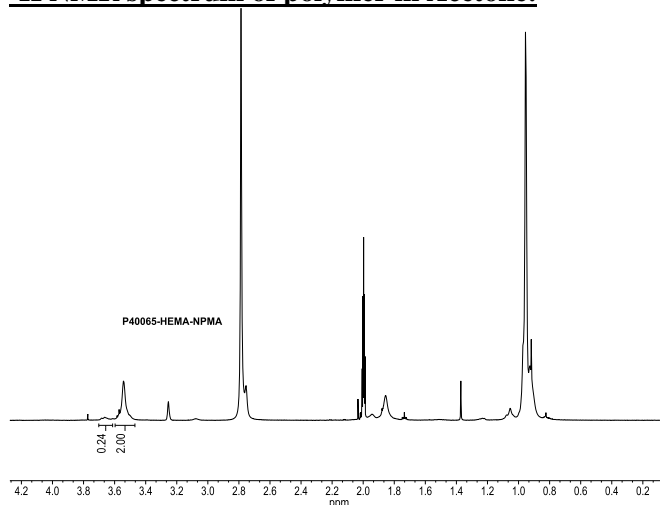
Characterization:

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

¹H NMR spectrum of the HEMATMS-NPMA:



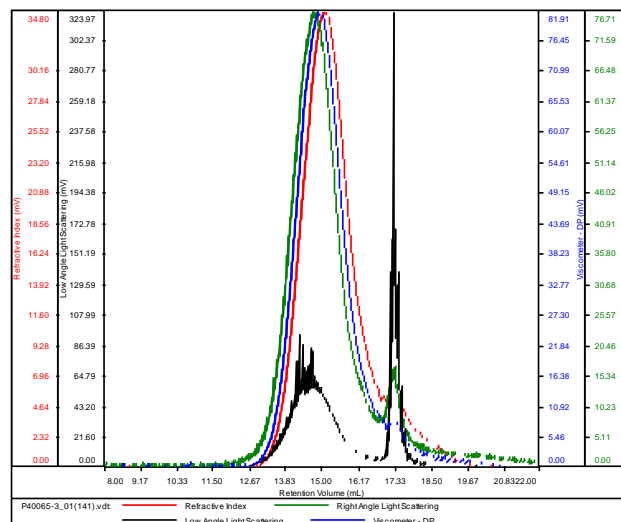
¹H NMR spectrum of polymer in Acetone:



SEC elugram of HEMANPMA in DMF at 60°C:

P40065-HEMA-NPMA

Conc (mg/mL)	2.5741
dn/dc (mL/g)	0.0650
Method	PS80k-August-08-2016-0000.vcm
Solvent	DMF w 0.023M LiBr
Column	PSS



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40065-3_01(141).vdt	824,399	1.048 e 6	865,719	1.271	0.6301