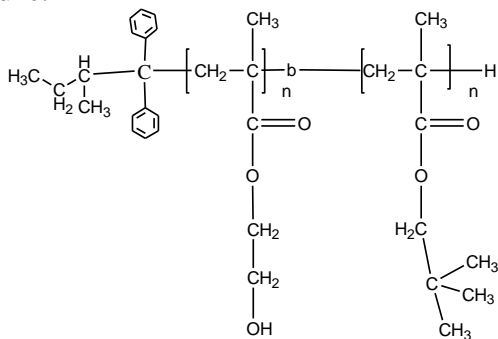


Sample Name: Poly (2-hydroxyethyl methacrylate)-  
b-neopentyl methacrylate)

Sample #: P40928-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	Mw/Mn
6.0-b-62.0	1.02

HEMA:NPMA	9:91 molar ratio
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T <sub>g</sub> for NPMA block:	119°C
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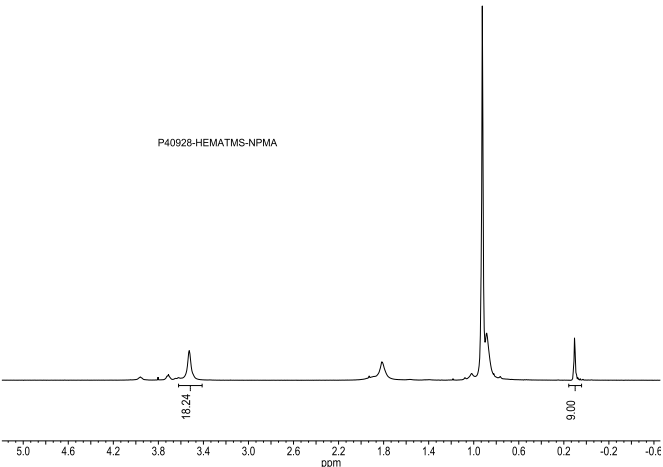
Synthesis:

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 <sup>1</sup>H NMR.

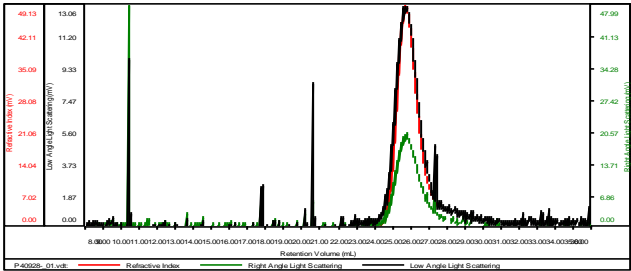
<sup>1</sup>H NMR spectrum of polymer in Acetone:



SEC elugram of HEMATMS-NPMA:

P40928-HEMATMS-NPMA

Concentration (mg/mL)	3.8950
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-jan-2018-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40928_01.vdt	68,468	70,029	1.023	0.2242	62,177