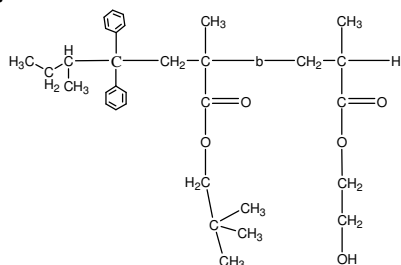


Sample Name: Poly(neopentyl methacrylate-b-[2-hydroxyethyl methacrylate])

Sample #: P19810-NPMAHEMA

Structure:



Composition:

$M_n \times 10^3$ NPMA-b-HEMA	M_w/M_n
494.0-b-3.0	1.13

T_g for NPMA block:	119°C
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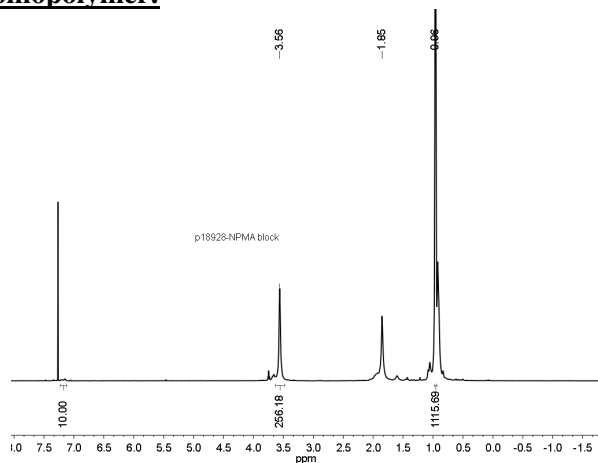
Synthesis:

The polymer was synthesized by anionic polymerization process.

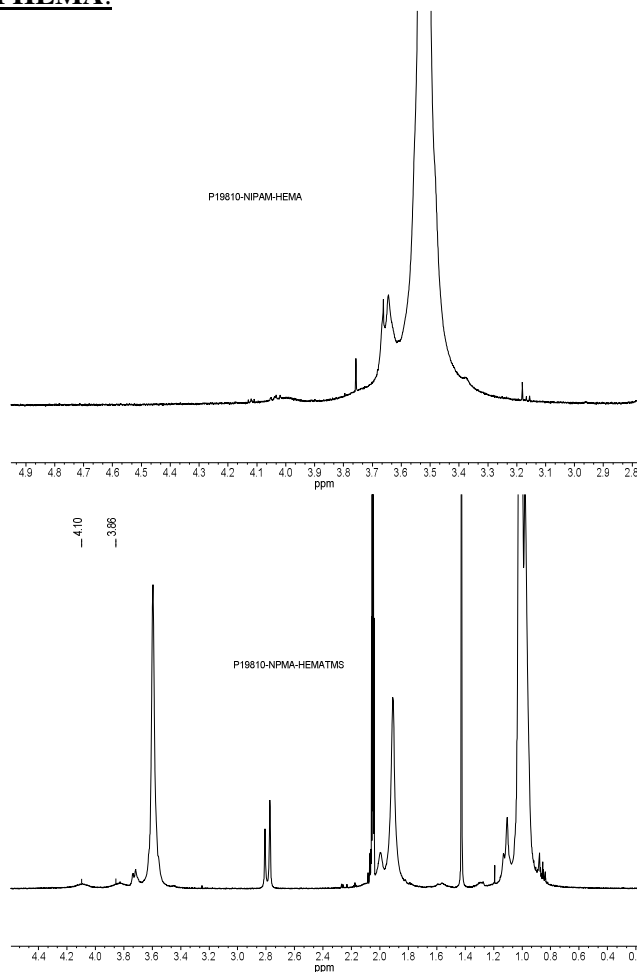
Characterization:

The polymer was characterized by size exclusion chromatography and hydrogen NMR.

^1H NMR (500 MHz, CDCl_3) of PNPMA homopolymer:



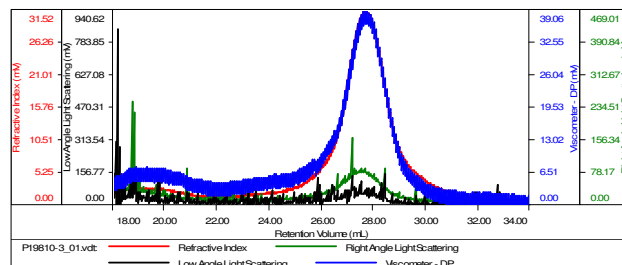
^1H NMR (500 MHz, acetone- d_6) of PNPMA-PHEMA:



SEC elugram of PNPMA-PHEMATMS diblock copolymer:

Sample ID P19810-NPMA-HEMA

Concentration (mg/mL)	0.4973
Sample dn/dc (mL/g)	0.0840
Method File	PS30K-Merch2016-0001.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	Mh (Da)	Mv (Da)	Mw/Mh	IV (dL/g)	Rh (nm)	Ret Vol (mL)
P19810-3_01.vdt	494,179	558,621	1.130	8.0813	53.34	27.697