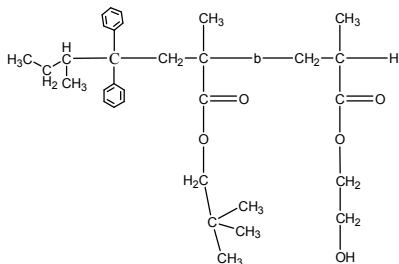


Sample Name: Poly(neopentyl methacrylate-b-[2-hydroxyethyl methacrylate])

Sample #: P19477-NPMAHEMA

Structure:



Composition:

Mn × 10 ³ NPMA-b-HEMA	Mw/Mn
282.0-b-7.0	1.5
HEMA:NPMA	7:93 molar ratio
T _g for NPMA block:	119°C

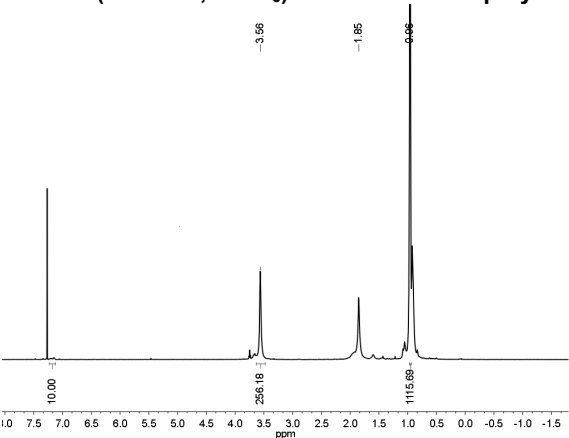
Synthesis:

By anionic polymerization process.

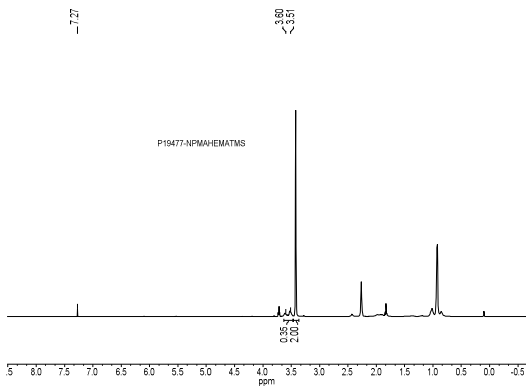
Characterization:

By size exclusion chromatography and hydrogen NMR.

¹H NMR (500 MHz, CDCl₃) of PNPMA homopolymer:



¹H NMR (500 MHz, CDCl₃) of PHPMA-PHEMATMS diblock copolymer (second block is protected):



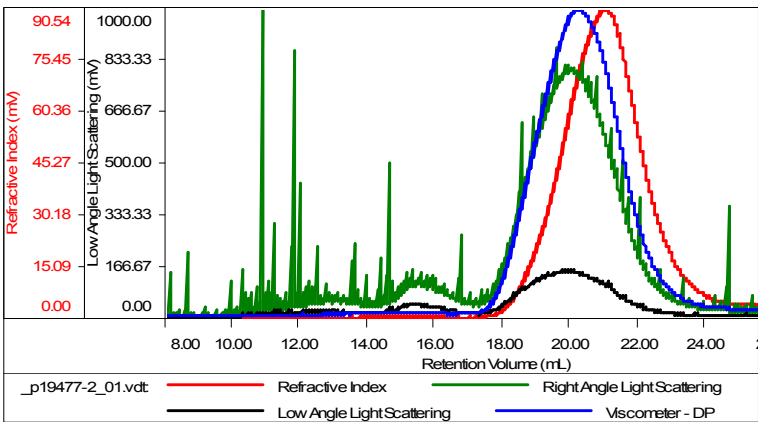
¹H NMR (500 MHz, acetone-d₆) of PNPMA-PHEMA:

SEC elugram of PNPMA-PHEMATMS diblock copolymer:

Run in DMF at 60 °C:

Sample ID: P19477-NPMA-HEMA

Concentration (mg/mL)	2.7594
Sample dn/dc (mL/g)	0.0840
Method File	PS80K-June30-2015-0000.vcm
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)
_p19477-2_01.vdt	289,804	456,564	291,368