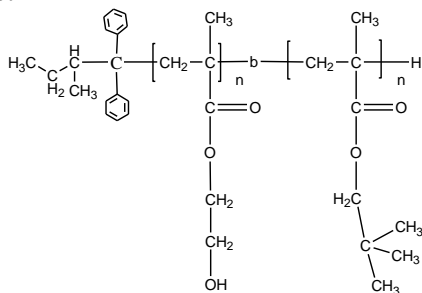


Sample Name: Poly (2-hydroxyethyl methacrylate)-
b-neopentyl methacrylate)

Sample #: P40878-HEMANPMA

Structure:



Composition:

$M_n \times 10^3$ HEMA-b-NPMA	Mw/Mn
1.5-b-46.0	1.11

HEMA:NPMA	2:98 molar ratio
T _g for NPMA block:	119°C

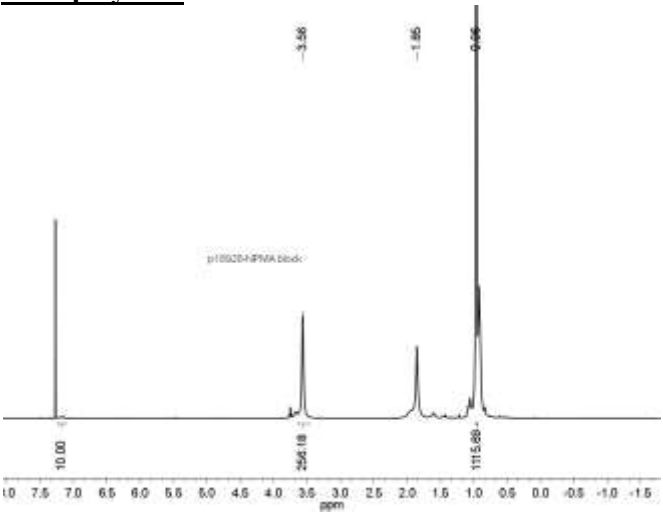
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process.

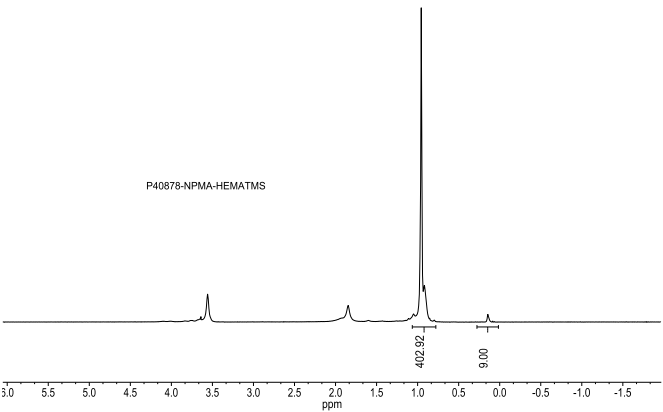
Characterization:

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

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



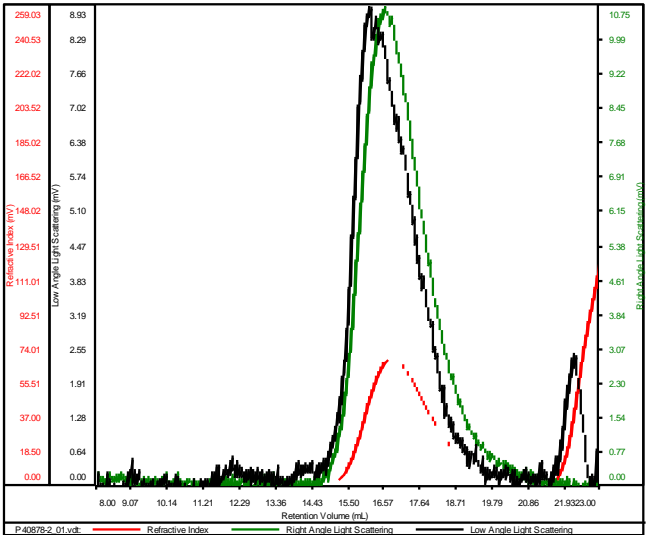
¹H NMR (500 MHz, in CdCl₃) of NPMA-
HEMATMS:



SEC elugram of the polymer:

P40878-NPMA-HEMA

Conc	10.1607
dn/dc	0.0650
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k-04Dec2017-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40878-2_01.vdt	47,980	53,366	46,354	1.112	0.1527