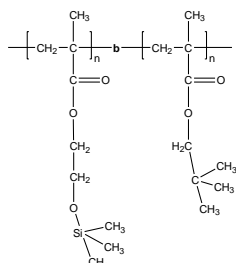


Sample Name: Poly (trimethylsiloxy-2-ethyl methacrylate)-b-poly (neopentyl methacrylate)

Sample #: P40871-HEMATMSNPMA

Structure:



Composition:

$M_n \times 10^3$ HEMATMS-b-NPMA	Mw/Mn
5.0-b-248.0	1.07

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

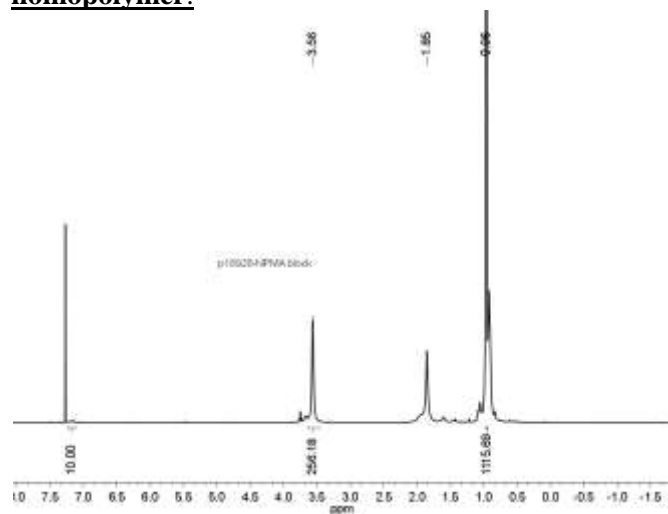
Synthesis:

The diblock copolymer was synthesized by anionic polymerization process.

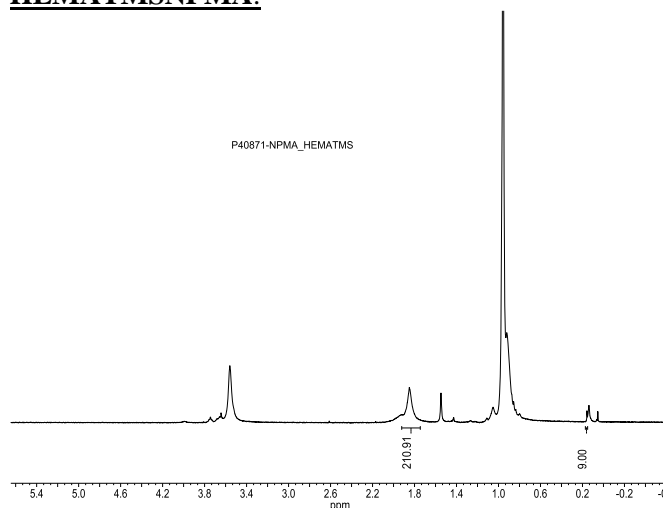
Characterization:

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

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



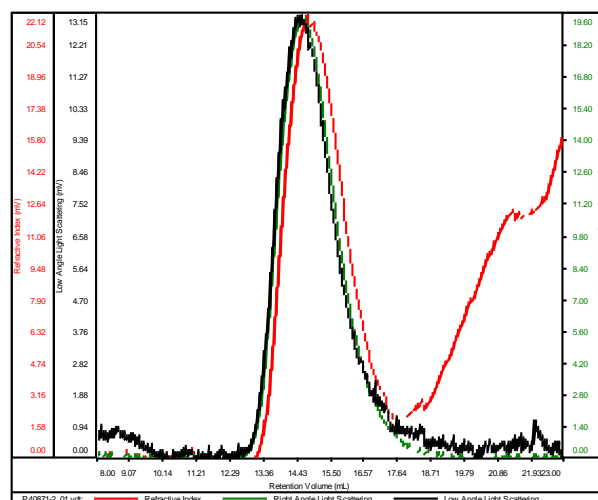
¹H NMR (500 MHz, in CdCl₃) of HEMATMSNPMA:



SEC elugram of the polymer:

P40871-2

Conc	3.2101
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
P40871-2_01.vdt	253,646	271,624	273,875	1.071	0.3788