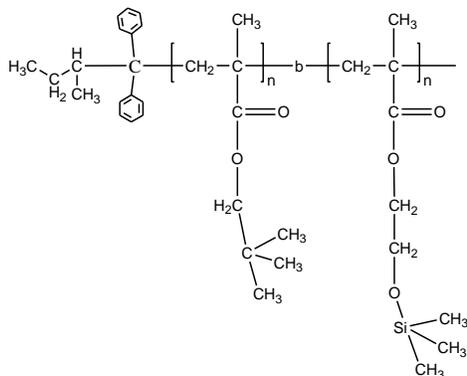


Sample Name: Poly (Neopentyl methacrylate-b- 2-Trimethyl siloxy ethyl methacrylate)

Sample #: P18921B-NPMAHEMATMS

Structure:



Composition:

$M_n \times 10^3$ NPMA-b-HEMA-TMS	PDI
18.0-b-7.0	1.19
T_g for NPMA block:	119°C

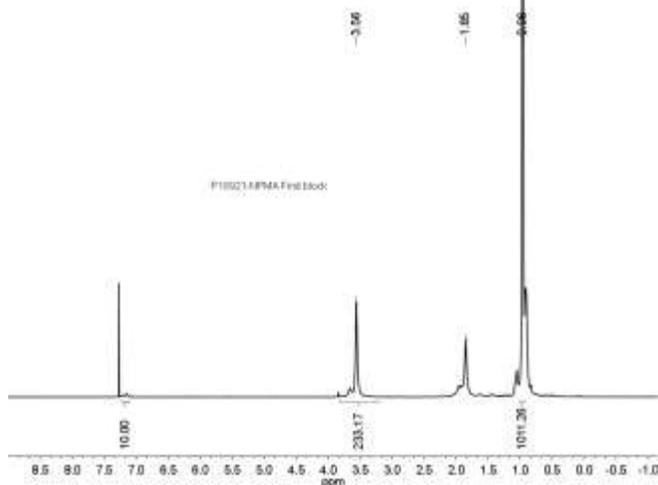
Synthesis Procedure:

The polymer was synthesized by anionic polymerization process.

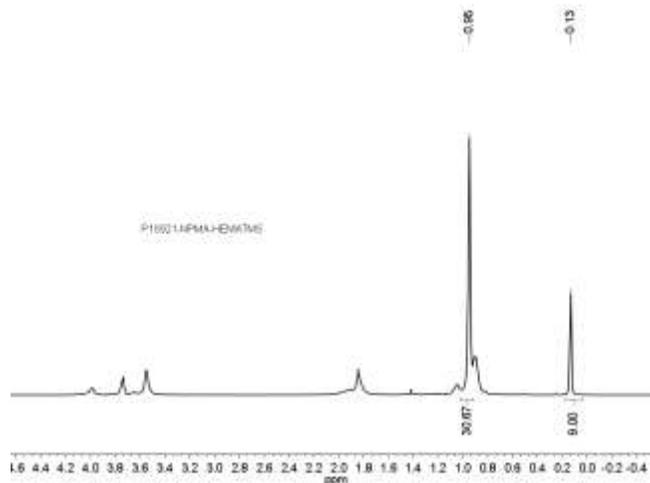
Characterization:

The product was characterized by size exclusion chromatography (SEC) and ^1H NMR.

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

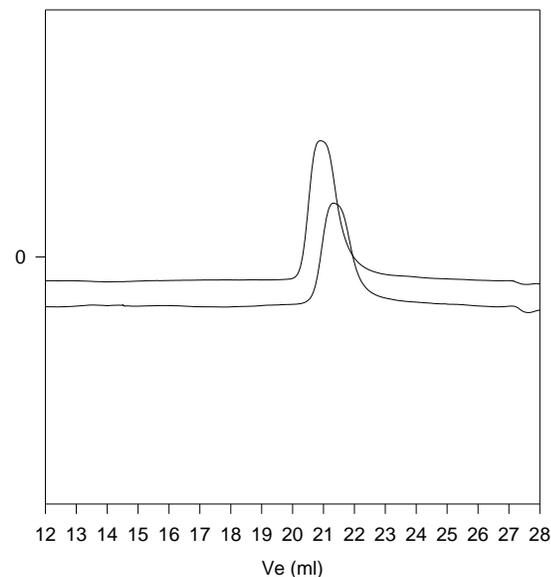


^1H NMR (500 MHz, acetone- d_6) of NPMA-HEMATMS:



SEC of the block copolymer:

P18921B-NPMA-HEMATMS



Size exclusion chromatography of poly(Neopentyl methacrylate-b-HEMATMS)

- PNPMA: $M_n=18,000$, $M_w=21,500$, $PI=1.18$
- Block copolymer M_n : NPMA(18,000)-b-HEMATMS(7,000)
 M_w/M_n 1.19