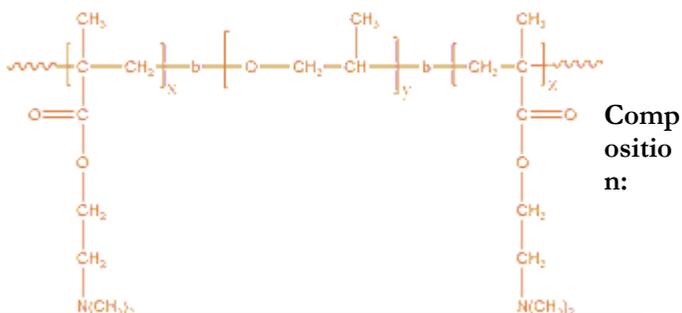


Sample Name:

Poly(N,N-dimethylaminoethyl methacrylate-b-propylene oxide-b-N,N-dimethylaminoethyl methacrylate)

Sample #: P6659-DMAEMAPODMAEMA

Structure:



$M_n \times 10^3$	PDI
2.4-b-3.0-b-2.4	1.35

Synthesis Procedure:.

Polymer is obtained by ATRP polymerization by initiating N,N-dimethyl aminoethyl methacrylate monomer with the bromo terminated polypropylene glycol.

Characterization:

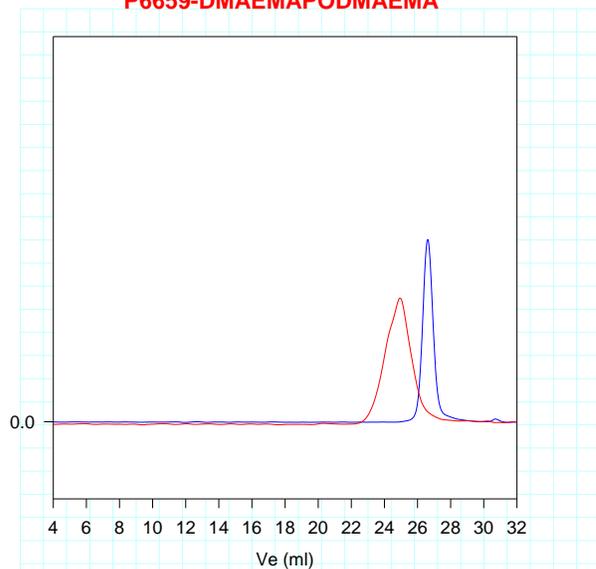
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

The tri-block polymer is soluble in THF, and $CHCl_3$.

SEC of Sample:

P6659-DMAEMAPODMAEMA



Size exclusion chromatography of poly(dimethylaminoethyl methacrylate -b-propylene oxide-dimethylaminoethyl methacrylate):

- Polypropyleneglycol: $M_n=3000$, $M_w=3200$, $PI=1.05$
- Block Copolymer DMAEMA-b-PO-b-DMAEMA
 $M_n: 2400\text{-}b\text{-}3000\text{-}b\text{-}2400$, $PI=1.35$
(Composition from H NMR)

HNMR of the Polymer:

