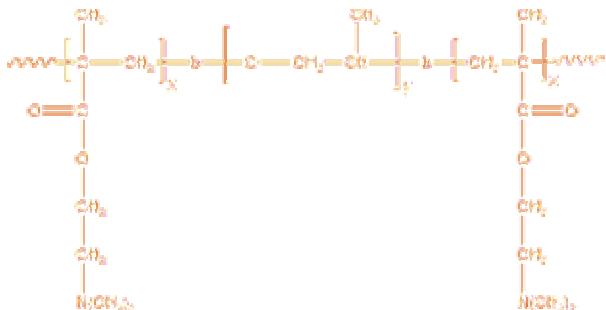


Sample Name:

Poly(N,N-dimethyl amino ethyl methacrylate-
b-propylene oxide-b-N,N-dimethyl amino
ethyl methacrylate)

Sample #: P5499-DMAEMAPPODMAEMA

Structure:**Composition:**

Mn x 10 ³	PDI
0.5-b-3.0-b-0.5	1.15

Synthesis Procedure:

Polymer is obtained by anionic polymerization by initiating N,N-dimethyl aminoethyl methacrylate monomer by the dipotassium salt of poly propylene glycol.

Characterization:

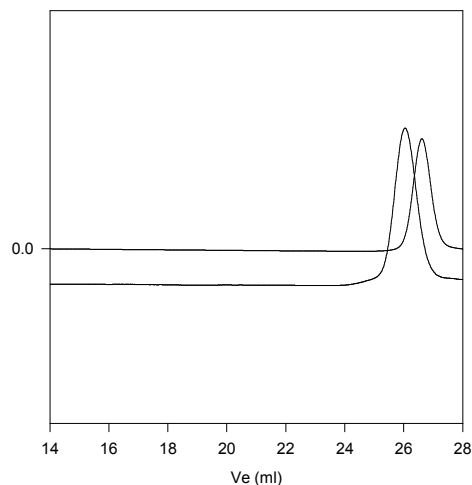
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

Solubility:

The tri-block polymer is soluble in THF, and CHCl₃.

SEC of Sample:

P5499-DMAEMAPPODMAEMA



Size exclusion chromatography of poly(N,N-dimethylethylmethacrylate-b-ethylene oxide-N,N'-dimethylethylmethacrylate):

- Dihydroxy terminated Polypropyleneglycol $M_n=3000$, $M_w=3200$, $PI=1.05$
- Block Copolymer PNNDMEMA-b-PO-NNDMEMA
Mn: 500-b-PO(3000)-b-500, $PI=1.15$
(Composition from H NMR)

HNMR of the Polymer: