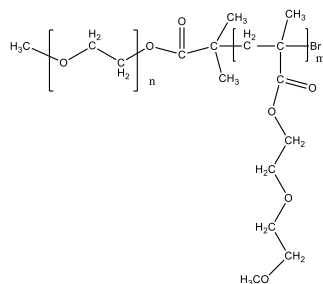


Sample Name:

Poly(ethylene oxide-b-Diethylene glycol Methoxy methacrylate)

Sample #: P43975-EODEGMeOMA

Structure:

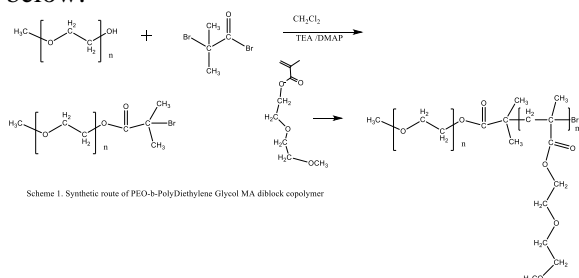


Composition:

Mn x 10 ³	PDI
PEO-b-DEGMeOMA	
5.0-b-5.5	1.4

Synthesis Procedure:

Poly(Ethylene oxide-Diethylene glycolMethoxy methacrylate) is prepared as shown in the scheme below:



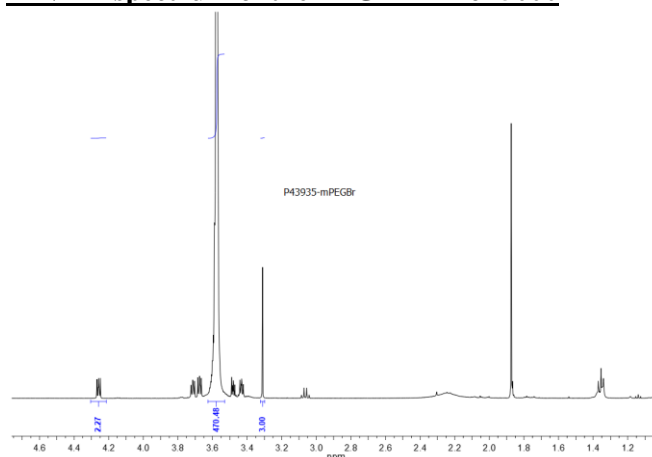
Characterization:

Polymer composition was determined by H NMR taking the integration of PEG block at 3.66 ppm and MeO of DEGMeOMA block at 3.3 ppm. Molecular weights of the first block and the Mw/Mn of the final and the first block was determined by SEC in THF.

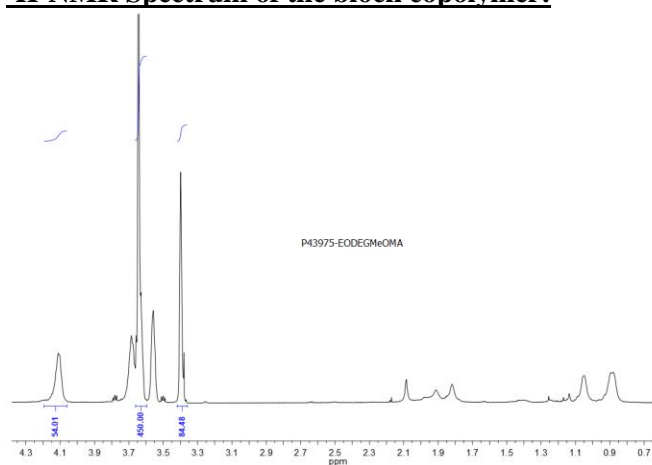
Solubility:

Poly(ethylene oxide -b- DEGMeOMA) is soluble in CHCl₃, THF, toluene. The polymer precipitated out from hexane.

H NMR spectrum of the PEGBr Mn of 5000



¹H-NMR Spectrum of the block copolymer:



SEC profile of the Sample:

