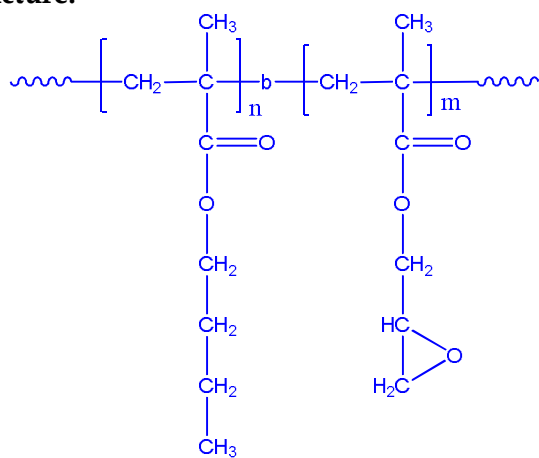


Sample Name:

Poly(n-butyl methacrylate-b-glycidyl methacrylate)

Sample #: P6807-nBuMAGMA

Structure:**Composition:**

Mn × 10 ³ nBuMA-b-GMA	PDI
7.2-b-0.83	1.41

Synthesis Procedure:

Poly(n-butyl methacrylate -b- glycidyl methacrylate) block copolymer is synthesized by GTP polymerization with sequential addition of n-butyl methacrylate and -glycidyl methacrylate. The obtained polymer was precipitated in methanol.

Characterization:

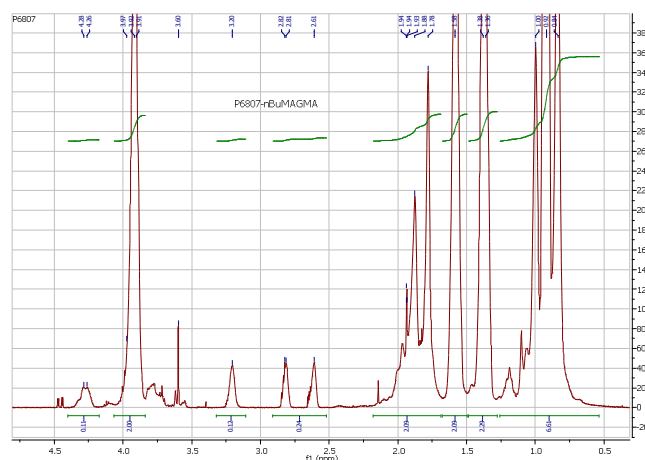
SEC analysis of the obtained block copolymer in THF in presence of triethyl amine as eluent . The final block copolymer composition by ¹H-NMR spectroscopy in CdCl₃ Block copolymer PDI is determined by SEC.

Thermal analysis:

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature (T_g).

Solubility:

Polymer is soluble in THF and CHCl₃.

¹H-NMR Spectrum of the block copolymer:**SEC of the block copolymer:**