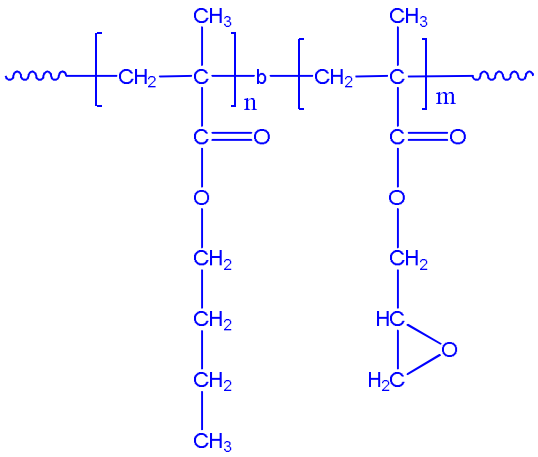
Sample Name:
Poly(n-butyl methacrylate-b-glycidyl methacrylate)
Sample #: P6810-nBuMAGMA

Structure:



Composition:

Mn × 10^3 nBuMA-b-GMA	PDI
17.1-b-8.1	1.28

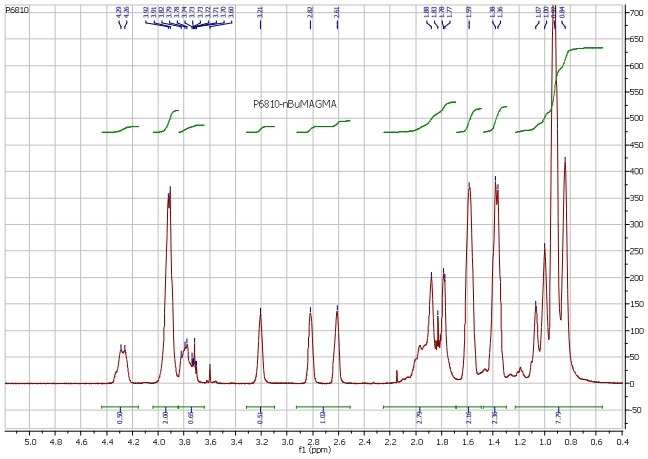
Synthesis Procedure:
Poly(n-butyl methacrylate -b- glycidyl methacrylate) block copolymer is synthesized by GTP polymerization with sequential addition of n-butyl methacrylate and -glycidyl methacrylate. The obtained polymer was precipitated in methnol.

Characterization:
SEC analysis of the obtained block copolymer in THF in presence of triethyl amine as eluent .
The final block copolymer composition by ^{1}H-NMR spectroscopy in $CdCl_3$ 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^{o}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 $CHCl_3$.

^{1}H-NMR Spectrum of the block copolymer:



SEC of the block copolymer: