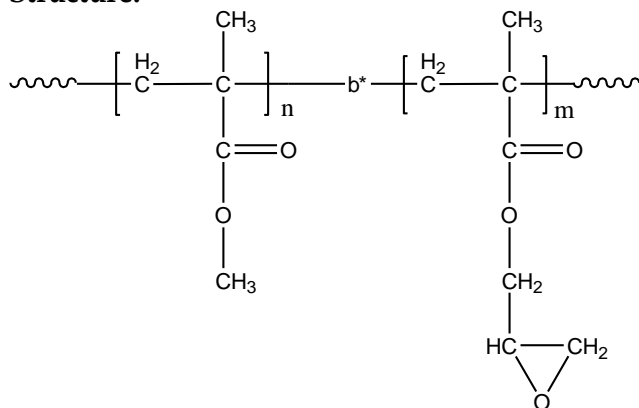


Sample Name:

Poly(Methyl methacrylate-b-Glycidyl methacrylate)

Sample #: P18473-MMAGMA

Structure:



Composition:

Mn × 10 ³	PDI
MMA-b-GMA	
6.7-b-9.5	3.5

Synthesis Procedure:

Poly(Methyl methacrylate-b-Glycidyl methacrylate) block copolymer is synthesized by group transfer polymerization with sequential addition of methyl methacrylate and -Glycidyl methacrylate. The obtained polymer was precipitated into methanol.

In this lot # First GMA monomer polymerized using diphenylmethyl potassium as initiator.

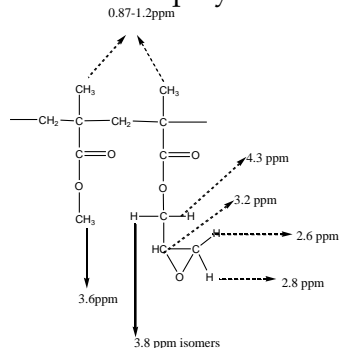
Characterization:

SEC analysis of the obtained block copolymer was carried out in THF in presence of triethyl amine as eluent and using light scattering detector to determine molecular weight and polydispersity.

The composition of block copolymer by ¹H-NMR spectroscopy in CdCl₃ by comparing methyl group in MMA block at 3.6 ppm and methylene group in GMA block at 2.8 and 2.6 ppm.

Solubility:

The block copolymer is soluble in THF and CHCl₃.



¹H-NMR Spectrum

