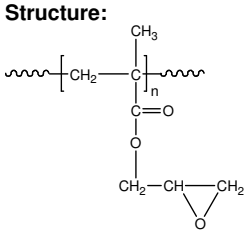
Sample Name: **Poly(glycidyl methacrylate)**

Sample #: **P4539A-GMA**

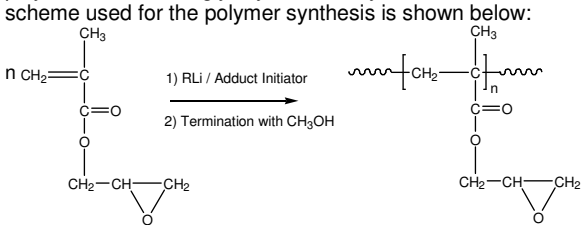
Structure:



Composition:

Mn x 10^3	PDI
10.0	1.5

Synthesis Procedure:
Poly(glycidyl methacrylate) is obtained by living anionic polymerization of glycidyl methacrylate. The reaction scheme used for the polymer synthesis is shown below:

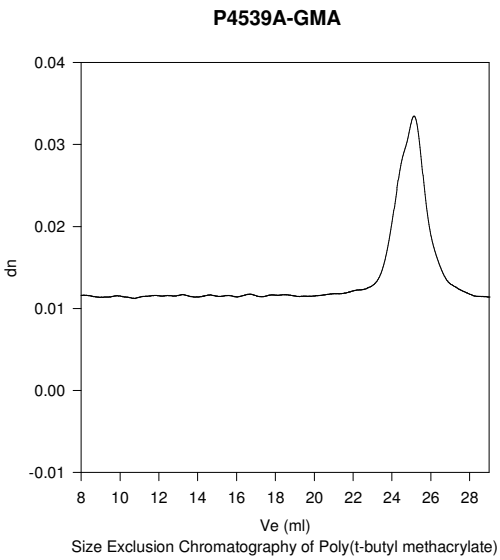


Characterization:

The molecular weight and polydispersity index (PDI) of Poly(glycidyl methacrylate) are obtained by size exclusion chromatography.

Solubility:
Poly(glycidyl methacrylate) is soluble in THF, $CHCl_3$, toluene and dioxane. The polymer precipitates from cold methanol and ethanol.

SEC of Homopolymer:



Size Exclusion Chromatography of Poly(t-butyl methacrylate)

M_n=10000, M_w=15000 PI=1.5