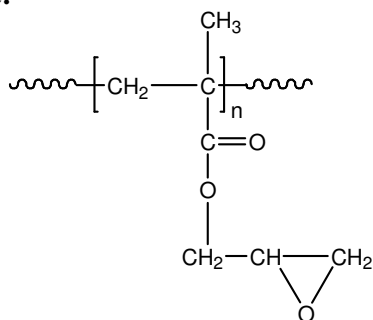


**Sample Name:** Poly(glycidyl methacrylate)

**Sample #:** P14821-GMA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
462.0	1.27
T <sub>g</sub> (°C)	72
Microstructure: Syndio:Hetero:iso = 61: 33: 6	

**Synthesis Procedure:**

By RAFT process:

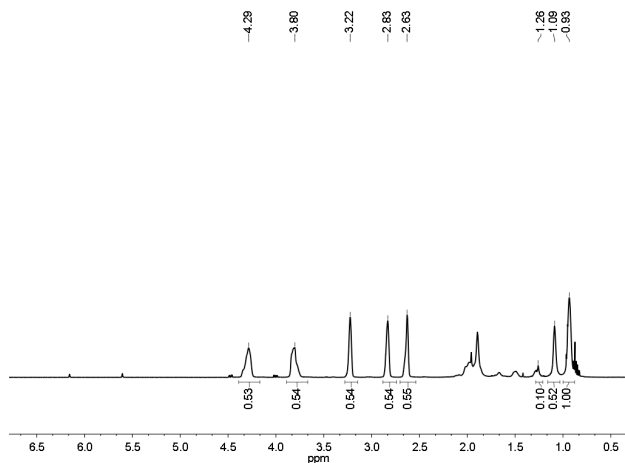
**Characterization:**

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

**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<sub>g</sub>).

**<sup>1</sup>H NMR:**



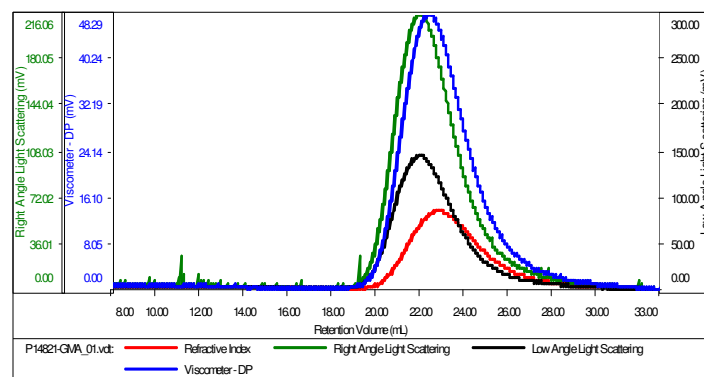
**Solubility:**

Poly(glycidyl methacrylate) is soluble in THF, CHCl<sub>3</sub>, toluene and dioxane. The polymer precipitates from cold methanol and ethanol.

**SEC of Homopolymer:**

**Sample ID: P14821-GMA**

Concentration (mg/mL)	2.2371
Sample dn/dc (mL/g)	0.0840
Method File	PS90K-NOV27-2014-0001.vom
Column Set	3x PL 1113-6300
Solvent	THF



Sample	MW Number Average (Da)	MW Weight Average (Da)	MW at Peak (Da)	Polydispersity	Intrinsic Viscosity (dL/g)
P14821-GMA_01.vcl	462,054	584,320	573,036	1.265	1.8266

**DSC thermogram of the polymer:**

