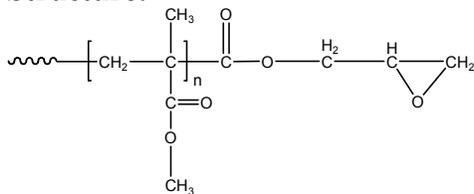


Sample Name:
Epoxy Terminated Poly(methyl methacrylate)

Sample #: P10472-MMAEpoxy

Structure:



Composition:

Mn x 10 ³	PDI
25.0	1.18
Epoxy functionality	>98%
T _g for the functionalized polymer	130°C

Synthesis Procedure:

Epoxy terminated poly(methyl methacrylate) was prepared by anionic living polymerization of methyl methacrylate in THF. Proprietary procedure.

Characterization:

The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

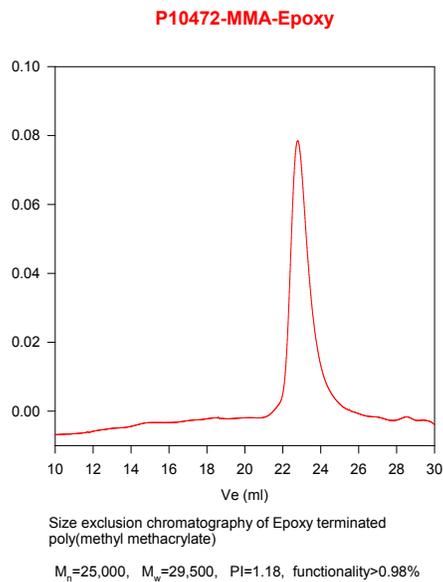
Thermal analysis:

Thermal analysis of the samples was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

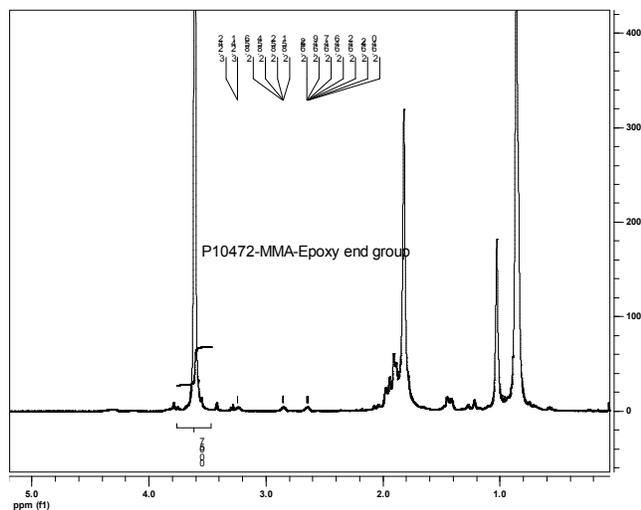
Solubility:

The polymer is soluble in THF, toluene, chloroform and acetone.

SEC of Sample:



¹H NMR of the Polymer:



DSC thermogram for the sample:

