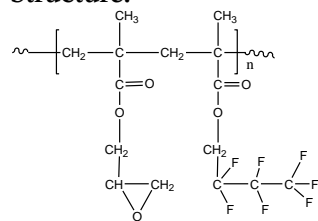


Sample Name:

**Random Copolymer Poly( heptafluoro butyl methacrylate and Glycidyl methacrylate)**

Sample #: **P19178-7FBuMAGMAran**

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	18.0
PDI	1.3
Composition : 7FBUMA:GMA	78:12
Tg	49 °C

**Synthesis Procedure:**

By anionic polymerization

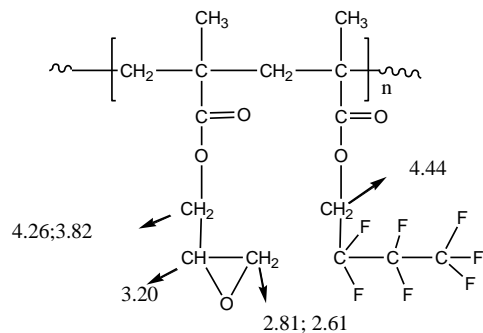
**Characterization:**

The polymer was analyzed by size exclusion chromatography (SEC) in THF at 35 °C to obtain the molecular weight and polydispersity index (PDI). The copolymer composition was calculated from <sup>1</sup>H-NMR spectroscopy.

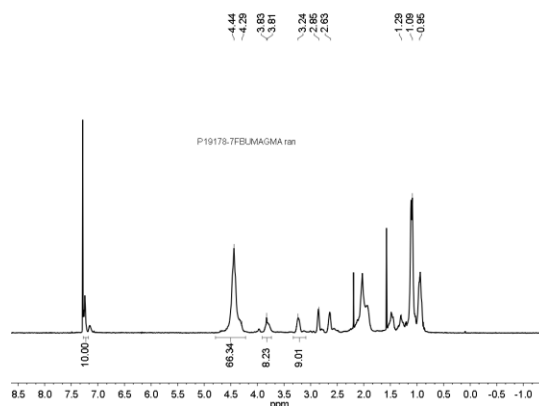
In THF the SEC profile of the product show negative response due to low refractive index of fluorinated poly methacrylates polymer.

**Solubility:**

The polymer is soluble in CHCl<sub>3</sub>, THF.

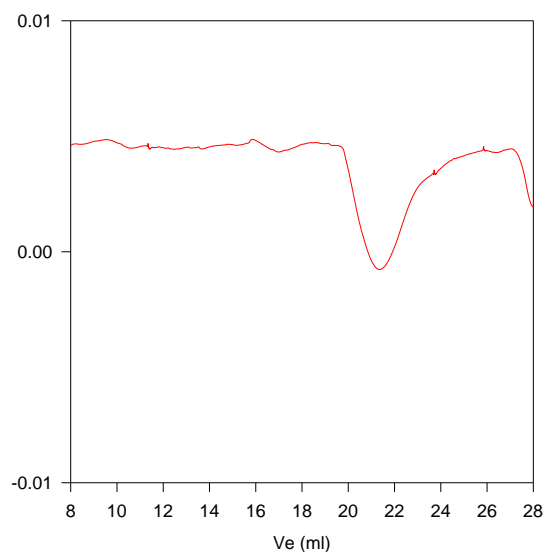


**<sup>1</sup>H-NMR Spectrum of the random copolymer:**



**SEC of the random copolymer:**

**P19178-7FBuMAGMAran**



Size Exclusion Chromatography of the polymer:

M<sub>n</sub>=18,000, M<sub>w</sub> = 23,500, PI=1.3

**DSC Thermogram:**

