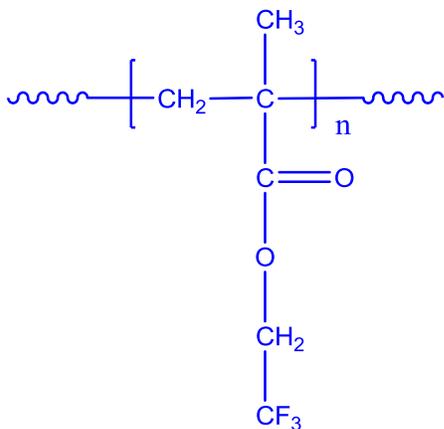


Sample Name:  
**Poly(2,2,2-Trifluoroethyl methacrylate)**

Sample #: **P6631-MATRIF**

Structure:

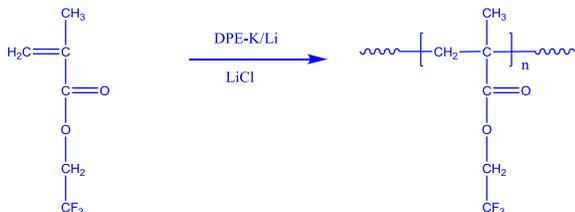


Composition:

$M_n \times 10^3$	PDI
9.0	1.28

Synthesis Procedure:

Poly(**2,2,2-Trifluoroethyl methacrylate**) is synthesized by living polymerization (anionic in this case).



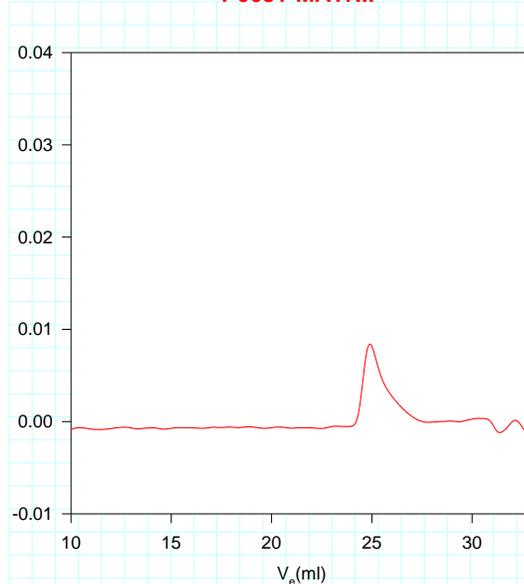
Characterization:

The molecular weight and polydispersity index (PDI) of Poly(**2,2,2-Trifluoroethyl methacrylate**) are obtained by size exclusion chromatography.

**Solubility:** Poly(**2,2,2-Trifluoroethyl methacrylate**) is soluble in THF, chloroform etc. But it is insoluble in hexane, methanol, and water.

**SEC of Homopolymer:**

**P6631-MATRIF**



Size exclusion chromatography of Poly(trifluoroethyl methacrylate)  
 $M_n = 9,000$ ;  $M_w 11,600$ ;  $PI = 1.28$