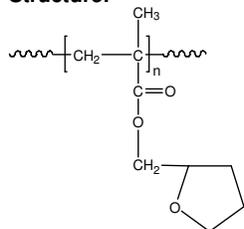


Sample Name:
Poly(tetrahydrofurfuryl methacrylate)

Sample #: **P3716-THFMMA**

Structure:

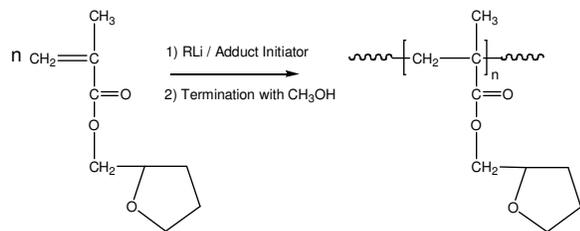


Composition:

| $M_n \times 10^3$ | PDI |
|-------------------|------|
| 160.0 | 1.60 |

Synthesis Procedure:

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



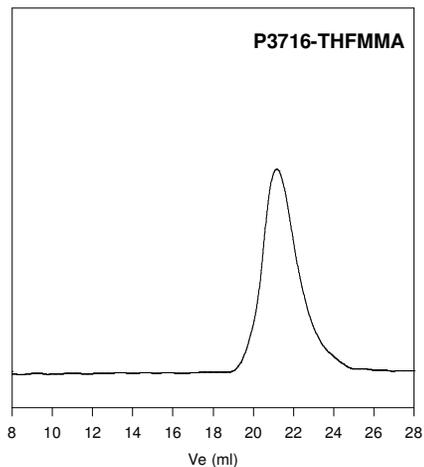
Characterization:

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

Solubility:

Poly(tetrahydrofurfuryl methacrylate) is soluble in THF, $CHCl_3$, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

SEC of Homopolymer:



Size exclusion chromatograph of Poly tetrahydrofurfuryl methyl methacrylate:

$M_n=160000$, $M_w=258000$, $PI=1.6$
 dn/dc in THF at 30 oC : 0.075 Radius of Gyration: 14.21 nm
Solution Viscosity in THF at 30 oC: 0.285 dl/g