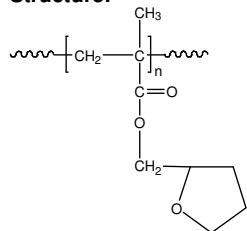


Sample Name:

Poly(tetrahydrofurfuryl methacrylate)

Sample #: **P3727B-THFMMA**

Structure:

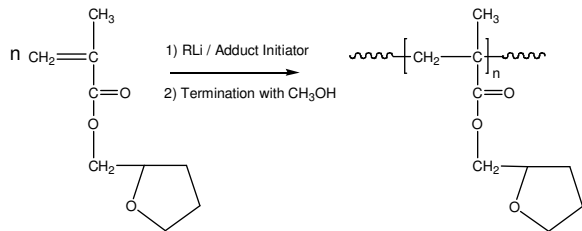


Composition:

$M_n \times 10^3$	PDI
27.0	1.50

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:



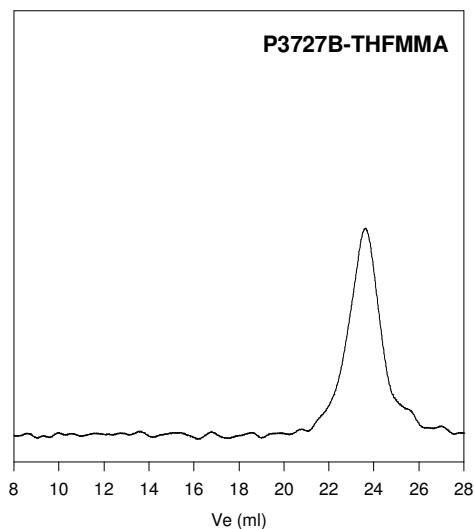
Characterization:

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):

$M_n=27000$, $M_w=40500$, $PI=1.50$