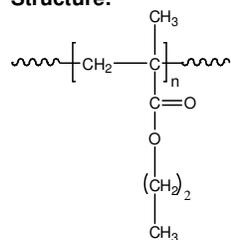


Sample Name: Poly(n-propyl methacrylate)

Sample #: P2494-nPrMA

Structure:

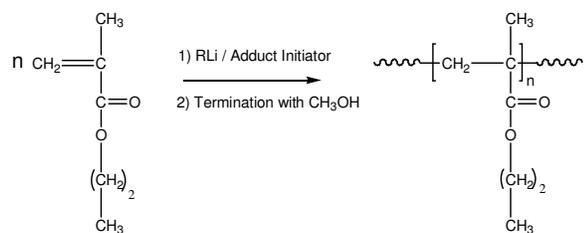


Composition:

$M_n \times 10^3$	PDI
320.0	1.50

Synthesis Procedure:

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

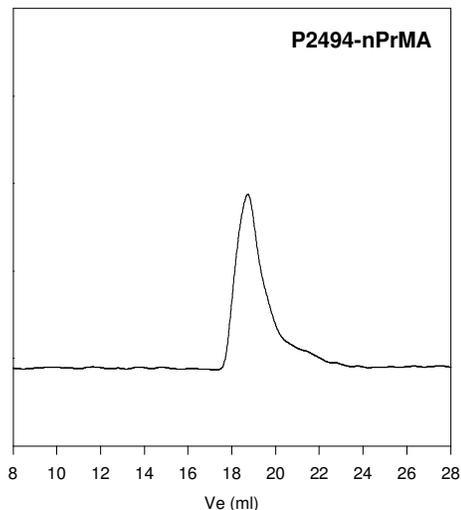


Characterization:

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

Solubility: Poly(n-propyl 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 n-propylmethacrylate:

$M_n=320000$, $M_w=480000$, $PI=1.5$