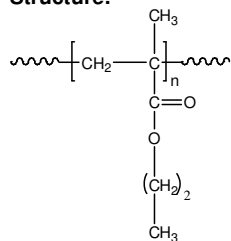


Sample Name: Poly(n-propyl methacrylate)

Sample #: P2494-nPrMA

**Structure:**

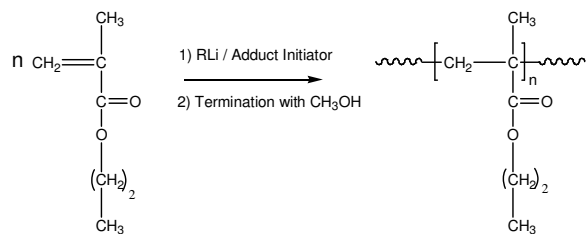


**Composition:**

Mn x 10 <sup>3</sup>	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:

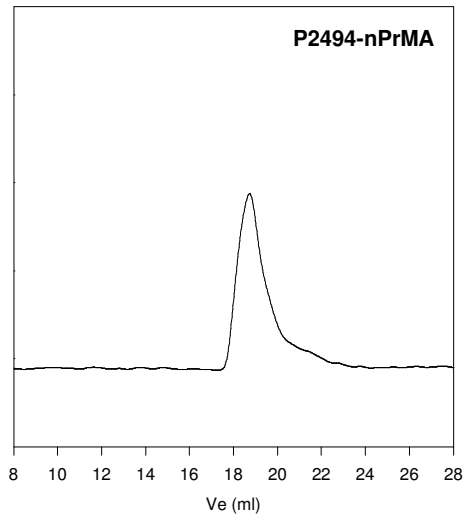


**Characterization:**

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,  $\text{CHCl}_3$ , toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

**SEC of Homopolymer:**



Size exclusion chromatograph of Poly n-propylmethacrylate:

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