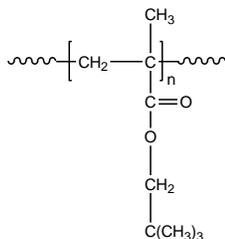


**Sample Name:** Poly(neopentyl methacrylate)

**Sample #:** P18920I-NPMA

**Structure:**

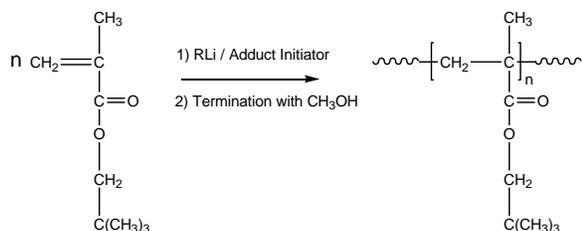


**Composition:**

Mn x 10 <sup>3</sup>	PDI
50.0	2.5

**Synthesis Procedure:**

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



**Characterization:**

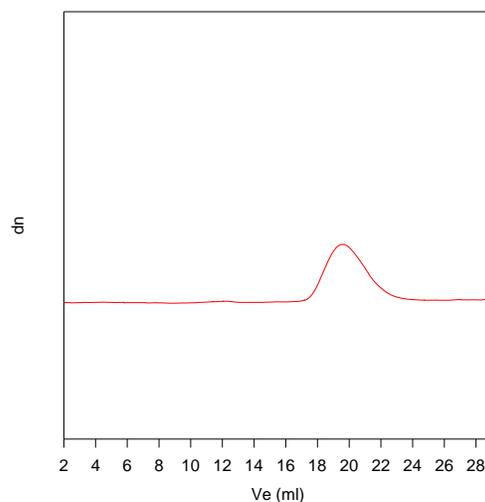
The molecular weight and polydispersity index (PDI) of Poly(neopentyl methacrylate) are obtained by size exclusion chromatography.

**Solubility:**

Poly(neopentyl methacrylate) is soluble in THF, CHCl<sub>3</sub>, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

**SEC of Homopolymer:**

**P18920I-NPMA**



Size Exclusion Chromatography of Poly(neopentyl methacrylate)

M<sub>n</sub>=45,000, M<sub>w</sub>=125,000 PI=2.5