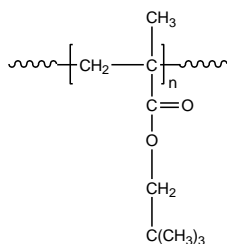


Sample Name: **Poly(neopentyl methacrylate)**

Sample #: **P18920A-NPMA**

Structure:

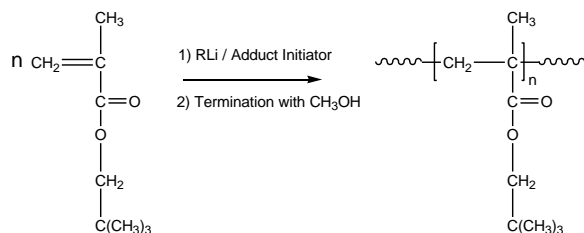


Composition:

Mn x 10 <sup>3</sup>	PDI
270.0	2.4

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:

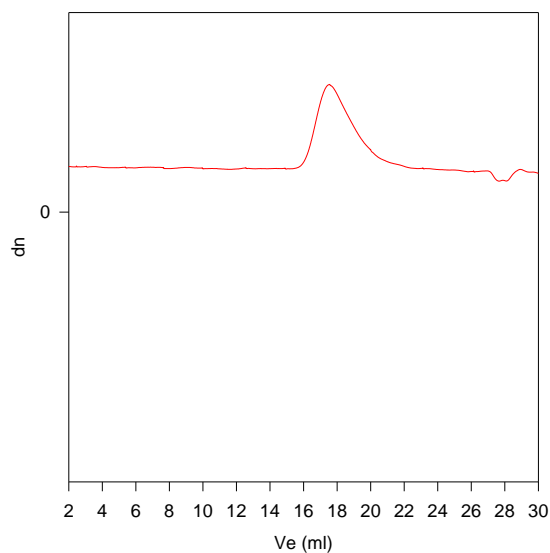
The molecular weight and polydispersity index (PDI) of Poly(neopentyl methacrylate) are obtained by size exclusion chromatography.

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:

**P18920A-NPMA**



Size Exclusion Chromatography of Poly(neopentyl methacrylate)

M<sub>n</sub>=270,000, M<sub>w</sub>=648,000 PI=2.4