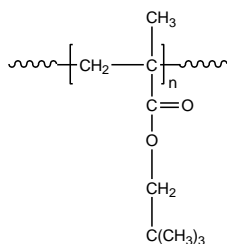


Sample Name: Poly(neopentyl methacrylate)

Sample #: P18920I-NPMA

Structure:

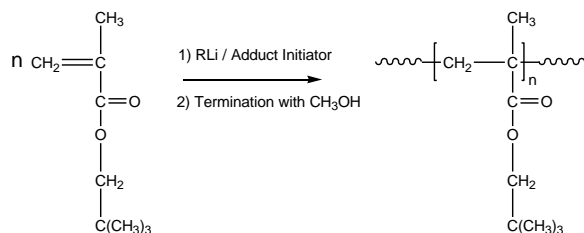


Composition:

Mn x 10 ³	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:

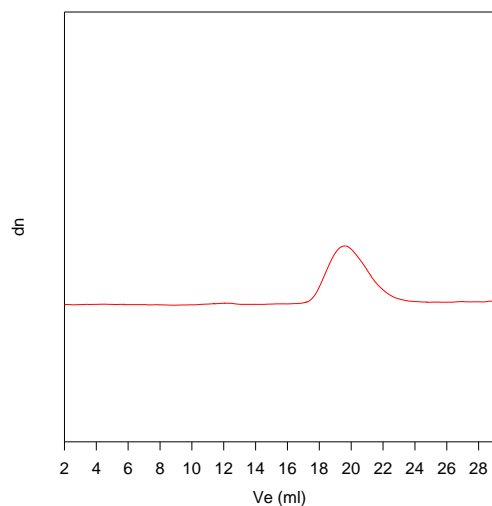
The molecular weight and polydispersity index (PDI) of Poly(neopentyl methacrylate) are obtained by size exclusion chromatography.

Solubility:

Poly(neopentyl methacrylate) is soluble in THF, CHCl₃, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

SEC of Homopolymer:

P18920I-NPMA



Size Exclusion Chromatography of Poly(neopentyl methacrylate)

M_n=45,000, M_w=125,000 PI=2.5