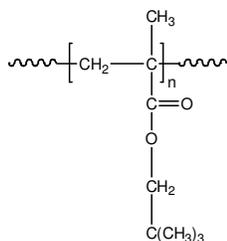


Sample Name: Poly(neopentyl methacrylate)

Sample #: P3360-NPMA

Structure:

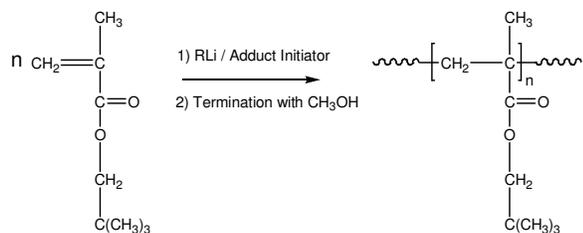


Composition:

$M_n \times 10^3$	PDI
20.0	1.04

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:



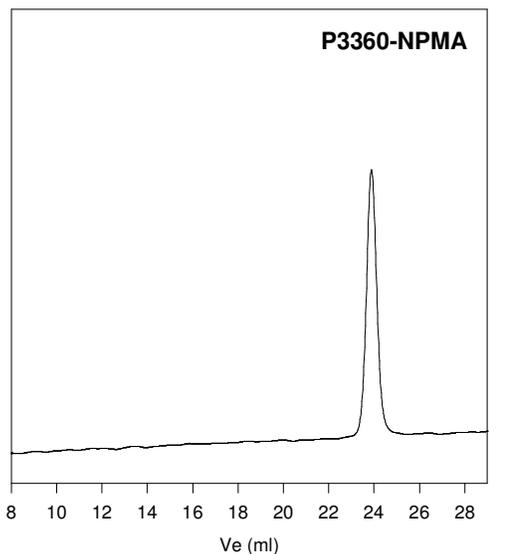
Characterization:

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, $CHCl_3$, toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

SEC of Homopolymer:



Size Exclusion Chromatography of Poly(neopentyl methacrylate)

$M_n=20000$, $M_w=20800$ $PI=1.04$