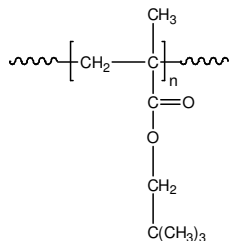


Sample Name: **Poly(neopentyl methacrylate)**

Sample #: **P3958-NPMA**

Structure:

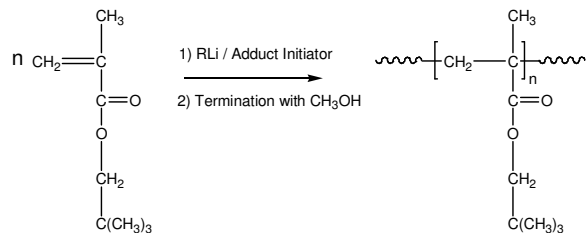


Composition:

Mn x 10 ³	PDI
36.0	1.9

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:



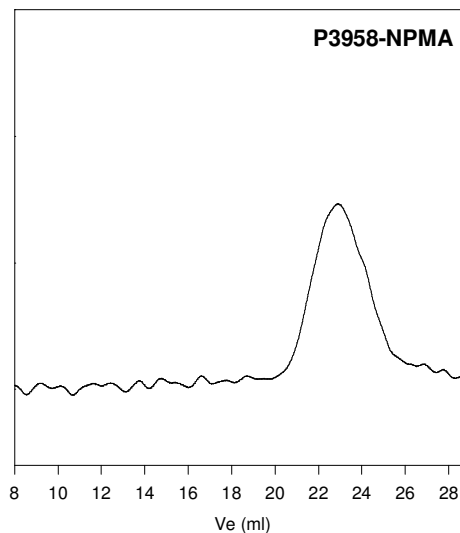
Characterization:

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:



Size Exclusion Chromatography of Poly(neopentyl methacrylate)

M_n=36000, M_w=68400 PDI=1.9