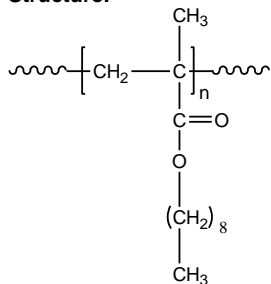


Sample Name: Poly(n-nonyl methacrylate)

Sample #: P6146-NMA

Structure:

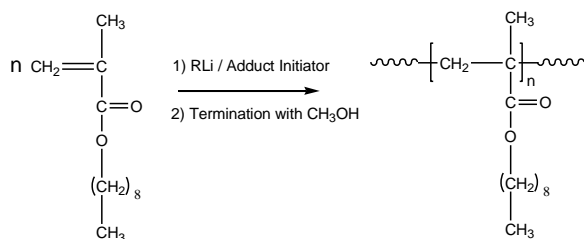


Composition:

$M_n \times 10^3$	PDI
8.6	1.14

Synthesis Procedure:

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



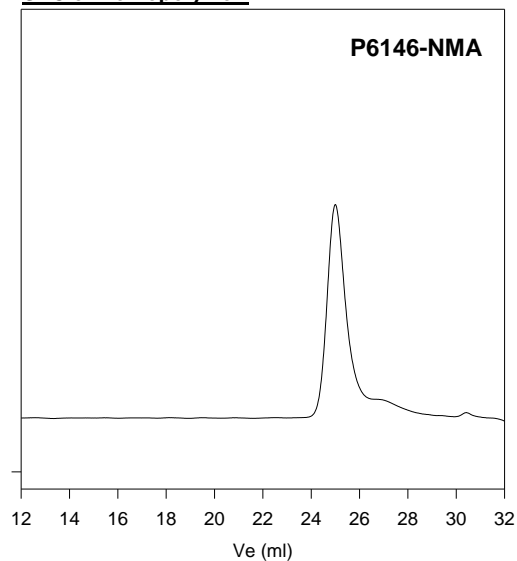
Characterization:

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

Solubility:

Poly(n-nonyl methacrylate) is soluble in THF, CHCl_3 , toluene and dioxane. The polymer precipitates from hexanes, methanol and ethanol.

SEC of Homopolymer:



Size exclusion chromatograph of Poly(nonyl methacrylate):

$M_n=8,600$; $M_w=9,800$; $PI=1.14$