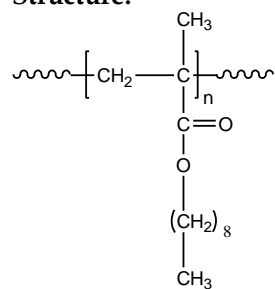


Sample Name: Poly(n-nonyl methacrylate)

Sample #: P6785-NMA

Structure:

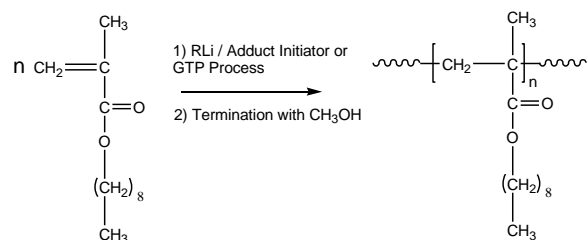


Composition:

Mn x 10 ³	PDI
21.0	1.06
Mircostructure	Syndio:hetero:Iso contents 53: 40: 7

Synthesis Procedure:

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



Characterization:

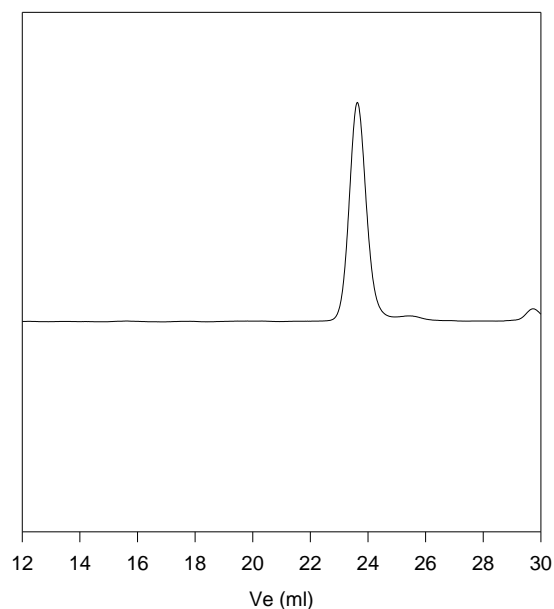
The molecular weight and polydispersity index (PDI) of Poly(n-nonyl methacrylate) are obtained by size exclusion chromatography.

Solubility:

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

SEC of Homopolymer:

P6785-NMA



Size exclusion chromatograph of Poly(nonyl methacrylate):

M_n=21000; M_w=22200; PI=1.06

