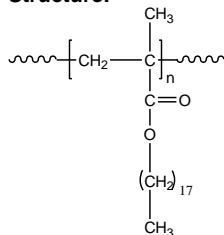


Sample Name: Poly(octadecyl methacrylate)

Sample #: P6151-ODMA

Structure:

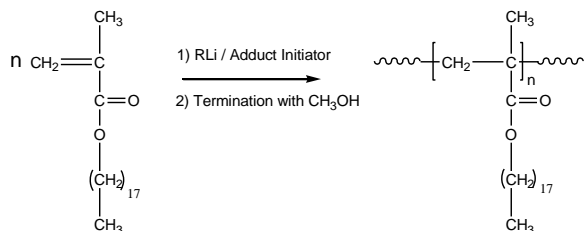


Composition:

$M_n \times 10^3$	PDI
5.4	1.12

Synthesis Procedure:

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



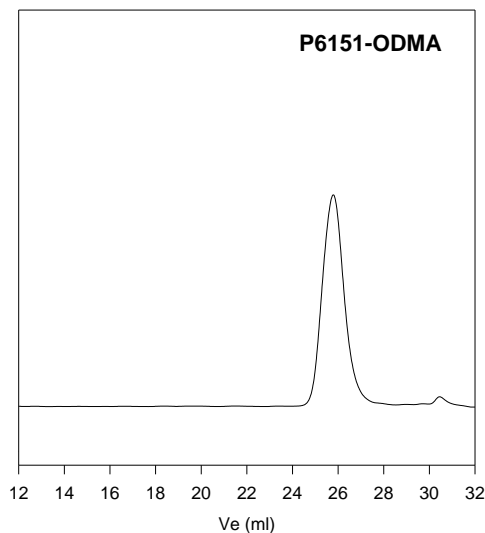
Characterization:

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

Solubility:

Poly(octadecyl 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(octadecyl methacrylate):

$M_n=5400$; $M_w=6100$; $PI=1.12$