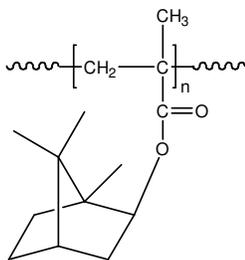


Sample Name: Poly(isobornyl methacrylate)

Sample #: p3632F1-iBMA

Structure:

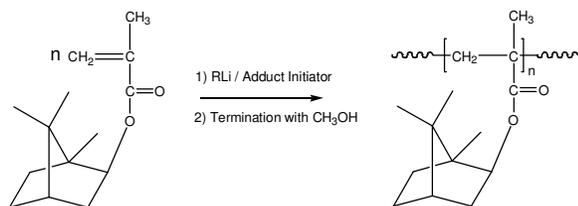


Composition:

$M_n \times 10^3$	PDI
248.0	1.18

Synthesis Procedure:

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



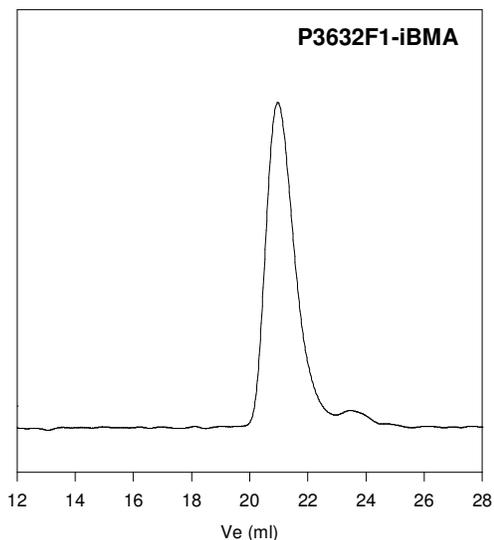
Characterization:

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

Solubility:

Poly(isobornyl 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 isobornyl metacrylate:

$M_n=248000$ ,  $M_w=292000$ ,  $PI=1.18$

Solution viscosity in THF at 30 oC 0.289dl/g

Radius of gyration 14.60nm