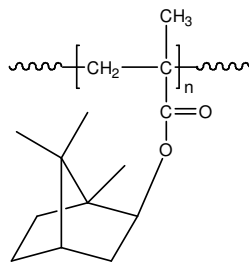


Sample Name: **Poly(isobornyl methacrylate)**

Sample #: **p3634F1-iBMA**

Structure:

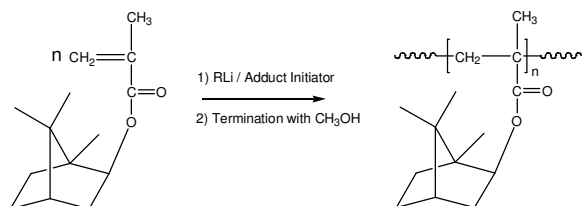


Composition:

Mn x 10 ³	PDI
22.5	1.25

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:



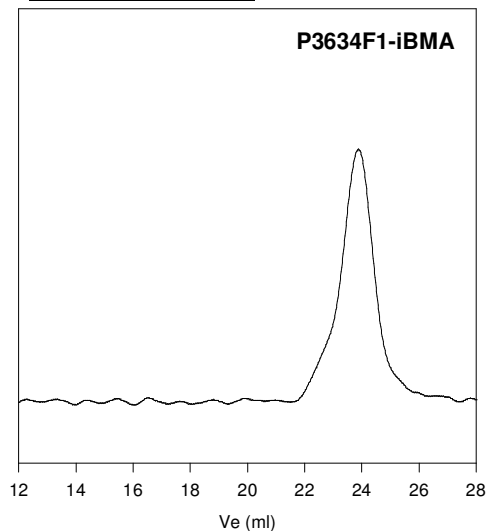
Characterization:

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:

$M_n=22500$, $M_w=28500$ PI=1.25

Solution viscosity: 0.064 dI/g in THF at 30 oC.

Radius of gyration : 4.58nm