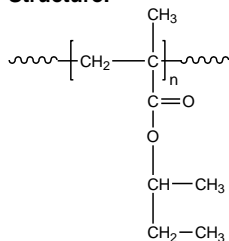


Sample Name: Poly(s-butyl methacrylate)

Sample #: P8476-sBuMA

Structure:

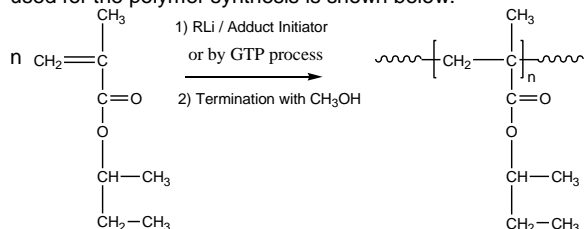


Composition:

| $M_n \times 10^3$ | PDI |
|-------------------|------|
| 17.0 | 1.20 |

Synthesis Procedure:

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



Characterization:

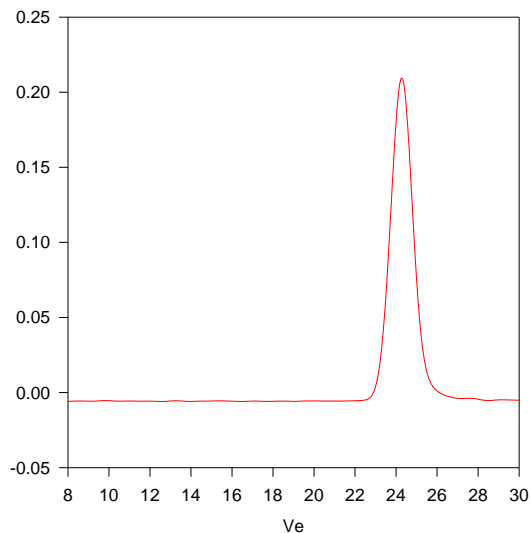
The molecular weight and polydispersity index (PDI) of Poly(s-butyl methacrylate) are obtained by size exclusion chromatography.

Solubility:

Poly(s-butyl methacrylate) is soluble in THF, CHCl_3 , toluene and dioxane. The polymer precipitates from cold methanol and ethanol.

SEC of Homopolymer:

P8476-SBuMA



Size Exclusion Chromatography of Poly(Sec-butyl methacrylate):

$M_n = 17000$, $M_w = 20500$ $PI = 1.2$

HNMR of the polymer: Polymer obtained by GTP in THF

