

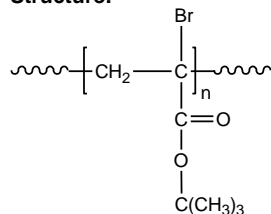
Sample Name: **Poly(α -bromo-t-butyl acrylate)**

SEC of sample:

P7217-BrTBuA

Sample #: **P7217-BrTBuA**

Structure:

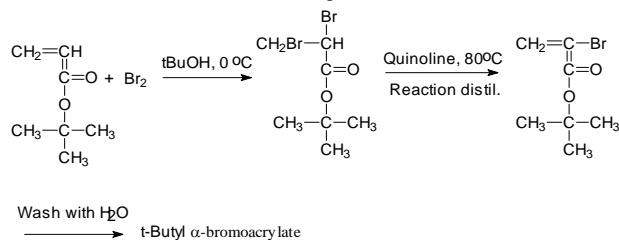


Composition:

$M_n \times 10^3$	PDI
7.0	2.5

Synthesis Procedure:

Polymer is obtained by free radical polymerization in bulk.
The monomer is obtained following the route:

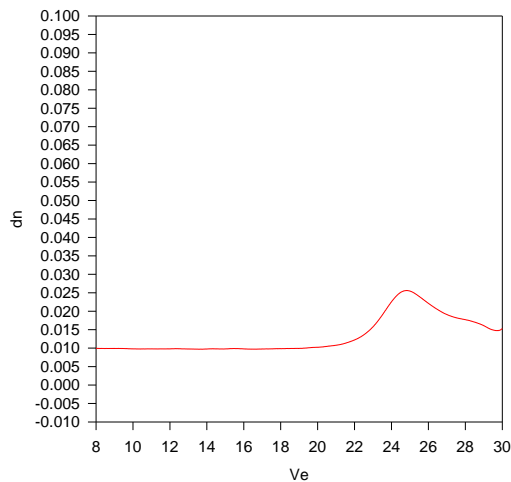


Characterization:

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

Solubility:

Poly(α -bromo-t-butyl acrylate) is soluble in THF, $CHCl_3$, 1,4-dioxane, toluene. It is precipitated out from cold ethanol methanol.



Size Exclusion Chromatography of Poly(α bromo t-butyl acrylate)

$M_n=7000$, $M_w=17500$, $PI=2.5$