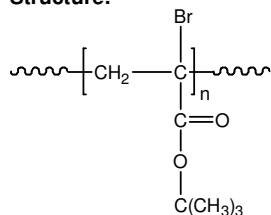


Sample Name: **Poly(α -bromo-t-butyl acrylate)**

Sample #: **P3373-BrTBuA**

Structure:

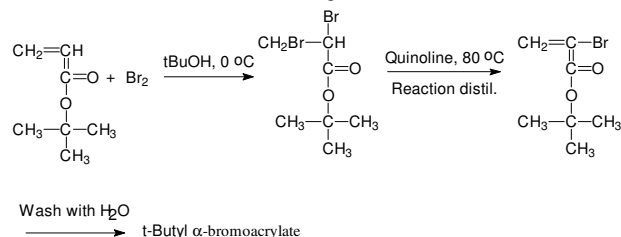


Composition:

$M_n \times 10^3$	PDI
4.0	1.6

Synthesis Procedure:

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



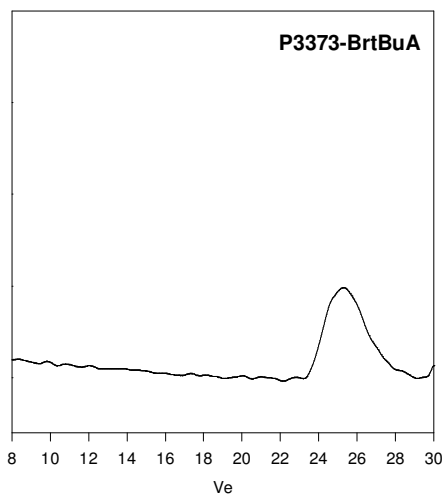
Characterization:

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

Solubility:

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

SEC of sample:



Size Exclusion Chromatography of Poly(α bromo t-butyl acrylate):
 $M_n=4000$, $M_w=6500$, $PI=1.6$