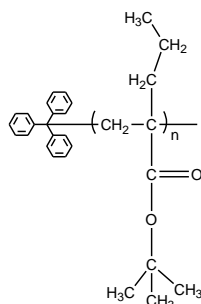


**Sample Name:** Poly(tert.butyl α-propyl acrylate)

**Sample #:** P6816-PrtBuA

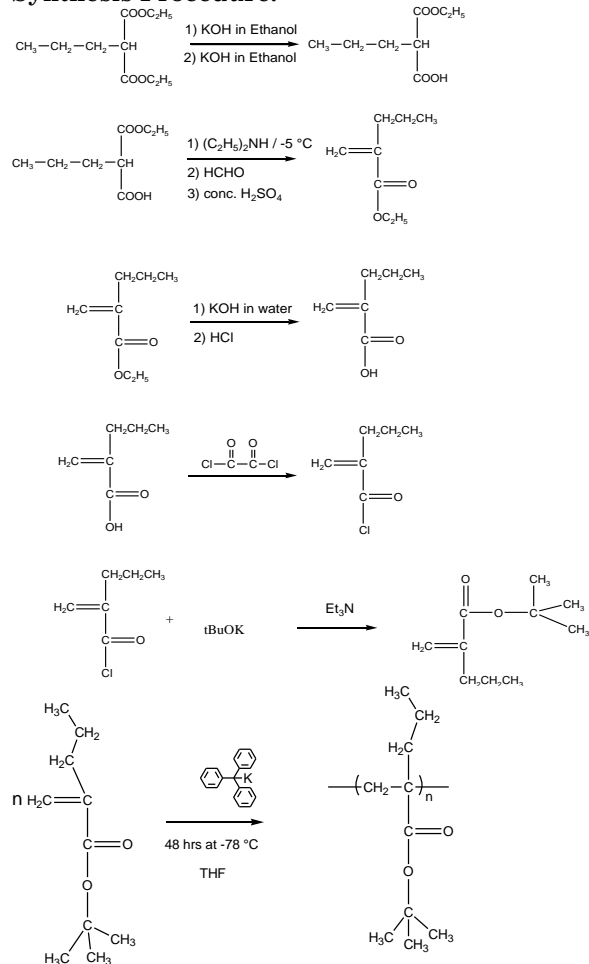
**Structure:**



### Composition:

$M_n \times 10^3$	PDI
7.0	1.15
$T_g$ (°C)	72

### Synthesis Procedure:



### Characterization:

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

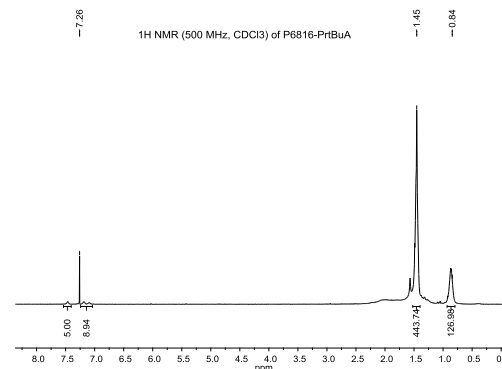
### Thermal analysis:

Thermal analysis of the samples was carried out on a TA Q100 differential scanning calorimeter at a heating rate of 10°C/min. The midpoint of the slope change of the heat flow plot of the second heating scan was considered as the glass transition temperature ( $T_g$ ).

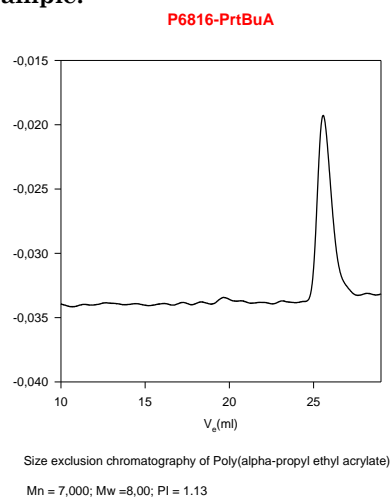
### Solubility:

Poly(tert.butyl α-propyl acrylate) is soluble in THF,  $CHCl_3$  and toluene, and can be precipitated from cold ethanol and methanol.

### $^1H$ NMR:



### SEC of sample:



### DSC thermogram for the polymer:

