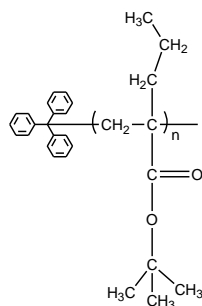


Sample Name: Poly (α -propyl acrylate tert.butyl)

Sample #: P40739-PrtBuA

Structure:

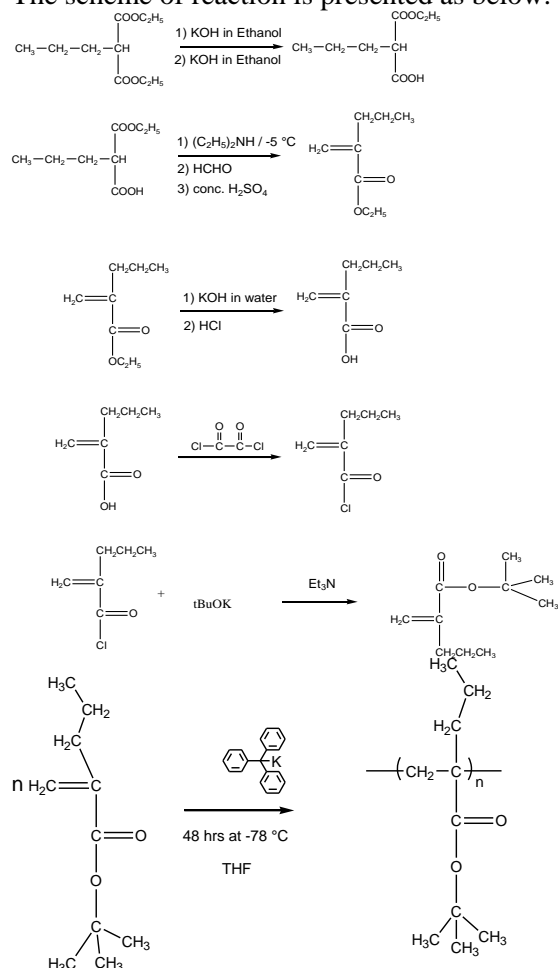


Composition:

$M_n \times 10^3$	PDI
3.5	1.18
Glass transition(T_g):	65 °C

Synthesis Procedure:

The scheme of reaction is presented as below:



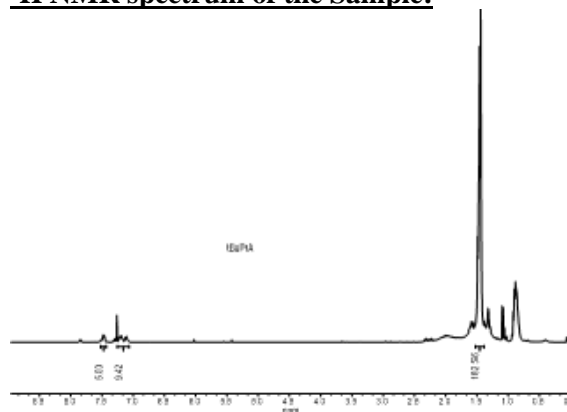
Characterization:

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

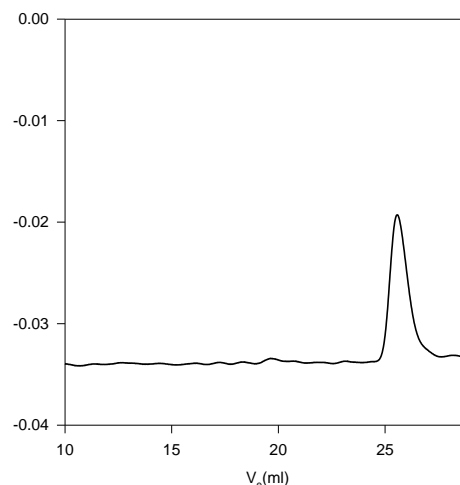
Thermal analysis:

Thermal analysis was performed on TA Instruments Q100 differential scanning calorimeter (DSC) under a nitrogen atmosphere. The glass transition temperature (T_g) of the polymer was measured at a scan rate of 10°C/min shortly after creating thermal history of the sample.

^1H NMR spectrum of the Sample:



SEC elugram of the Sample #40739:



Size exclusion chromatography of Poly(alpha-propyl tert.butyl acrylate)

$M_n = 3,500$; $M_w = 4,000$; $PI = 1.18$

DSC thermogram (2nd heating scan, 10°C/min):

Size: 6.0000 mg

