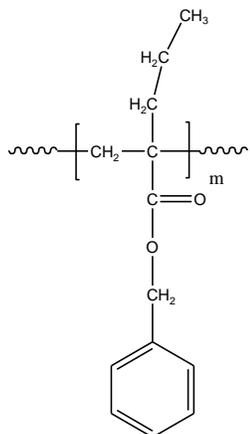


Sample Name: Poly(α -propyl Benzyl acrylate)

Sample #: P6824- PrBzA

Structure:



Composition:

| $M_n \times 10^3$ | PDI |
|-----------------------|------|
| 2.5 | 1.15 |
| T_g ($^{\circ}C$) | 66 |

Characterization:

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

Thermal analysis:

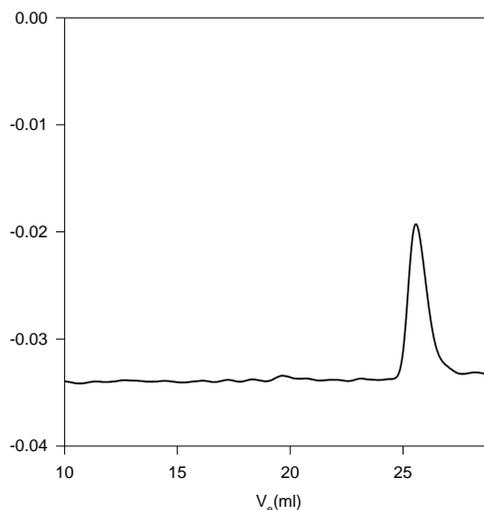
Thermal analysis of the sample was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of $10^{\circ}C/min$. The inflection glass transition temperature (T_g) has been considered.

Solubility:

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

SEC of sample:

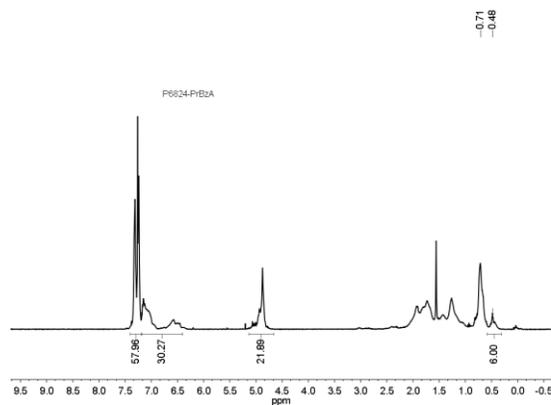
P6824-BzPrA



Size exclusion chromatography of polymer:

$M_n = 2,500$; $M_w = 2,800$; $PI = 1.15$

H NMR:



DSC Thermogram for the polymer

