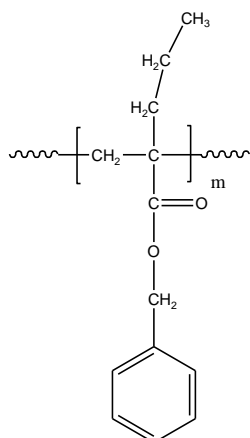


Sample Name: Poly(α -propyl Benzyl acrylate)
Sample #: P6824- PrBzA

Structure:



Composition:

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

Characterization:

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

Thermal analysis:

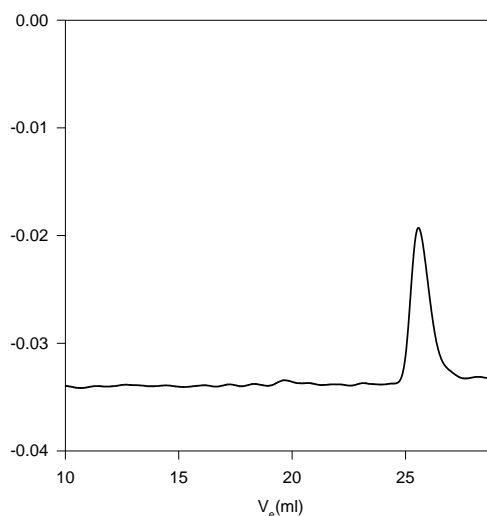
Thermal analysis of the sample was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of $10^{\circ}\text{C}/\text{min}$. The inflection glass transition temperature (T_g) has been considered.

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:

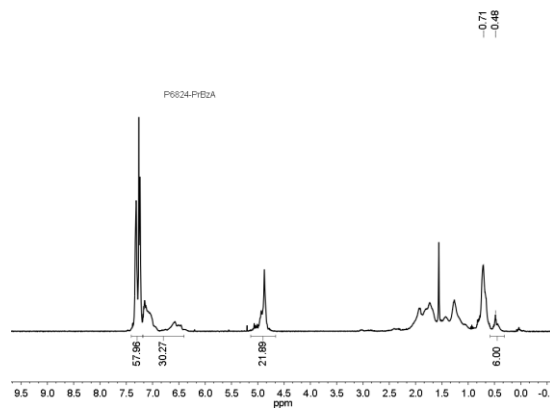
P6824-BzPrA



Size exclusion chromatography of polymer:

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

^1H NMR:



DSC Thermogram for the polymer

