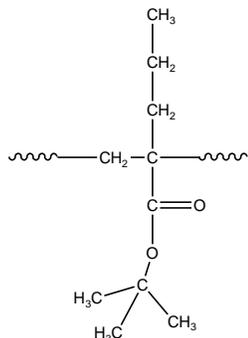


Sample Name: Poly(tert.butyl α -propyl acrylate)

Sample #: P5834-tBuPrA

Structure:



Composition:

M _n × 10 ³	PDI
35.0	1.17
T _g (°C)	99

Characterization:

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

Thermal analysis:

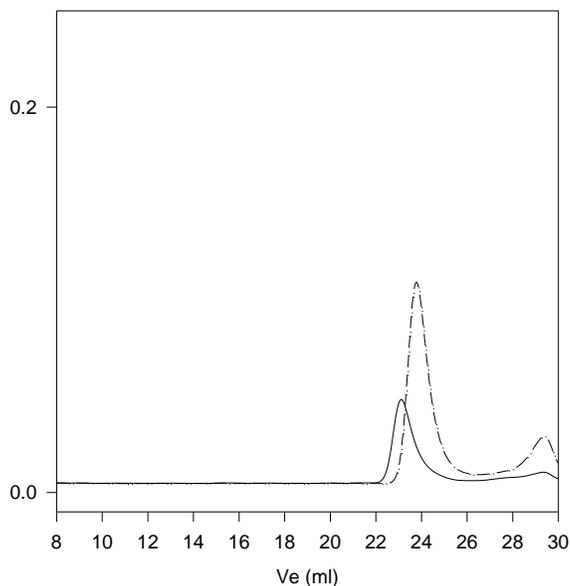
Thermal analysis of the sample was carried out using a differential scanning calorimeter (TA Q100) at a heating rate of 10°C/min. The inflection glass transition temperature (T_g) has been considered.

Solubility:

Poly(tert.butyl α -propyl acrylate) is soluble in THF, CHCl₃ and toluene, and can be precipitated from cold ethanol and methanol.

SEC of sample:

P5834-tBuPrA



Size exclusion chromatography of poly(tBuPrA)

--- after 8h reaction time, M_n=2100, M_w=24,000, M_w/M_n=1.15

— after 24h reaction time: M_n = 35000 M_w: 41000 M_w/M_n=1.17

DSC thermogram for the polymer:

