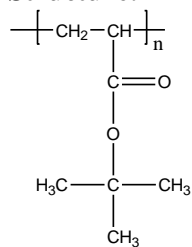


Sample Name: Poly(t-butyl acrylate)

Sample #: P11385-tBuA

Structure:



Composition:

$\text{Mn} \times 10^3$	PDI
823.0	1.26

Synthesis Procedure:

Poly(t-butyl acrylate) is obtained by anionic process.

Characterization:

The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) in THF. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

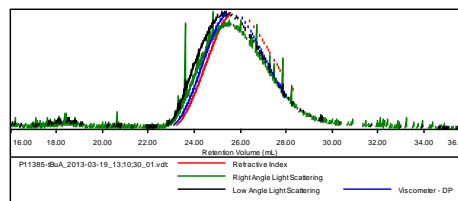
Solubility:

Poly(t-butyl acrylate) is soluble in THF, hexanes (low MW), toluene and CHCl_3 . This polymer precipitates from ethanol and methanol containing 10-15% water.

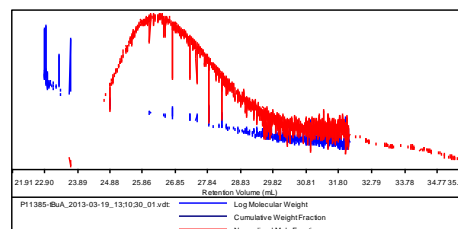
SEC of Sample:

Sample ID: P11385-tBuA

Concentration (mg/mL)	12.3754
Sample dn/dc (mL/g)	0.0512
Method File	PS80K-Mar-2013-0002.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn	Mw	Mp	Mw/Mn	IV
P11385-tBuA_2013-03-19_13:10:30_01.vdt	823,416	1.042 e 6	1.107 e 6	1.265	2.6150



Tg of poly t-butyl acrylate as function of molecular weight

