

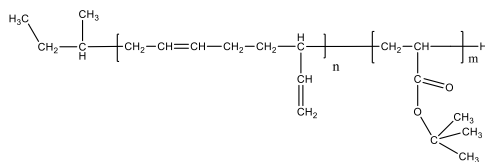
Product Profile

Identification

Product Name: Poly(1,2-butadiene)-b-poly(tert-butyl acrylate)

Sample #: P45261A-BdtBuA

Structure:



Composition:

Mn x 10 ³ PBd-b-tBuA	PDI
73.0-b-0.4	1.04
1,2 Addition :90%	

Method of Synthesis: By anionic process

Solubility in different solvents

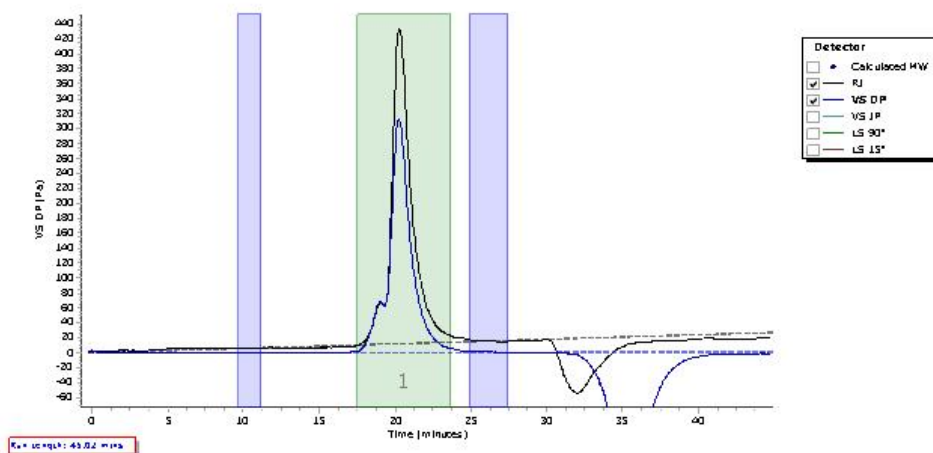
THF	√		
CHCl ₃	√		
Toluene-Hot	√		

Purification of Polymer: To remove any traces of homo polybutadiene using acetone-Hexane

A. Gel Permeation Chromatography (GPC), SEC- Profile

Chromatogram Plot

P45261-BdtBuA



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	79711	73798	76764	79646	82559	79426	1.04

B. NMR (HNMR) of polymer:

