

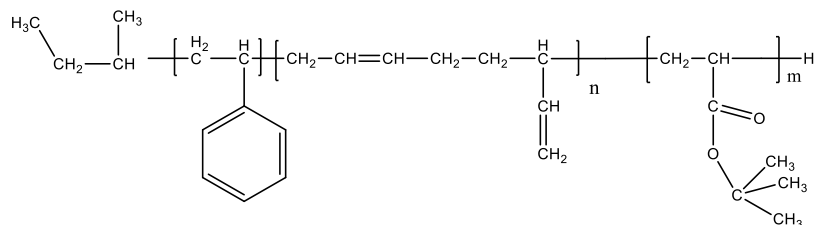
# Product Profile

## Identification

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

**Sample #:** P45247-SBdtBuA

## Structure:



## Composition:

Mn x 10 <sup>3</sup> PSS-Bd-b-tBuA	PDI
1.0-b-6.0-b-4.0	1.6
1,2 Addition :90%	

**Method of Synthesis:** By anionic process

## Solubility in different solvents

THF	✓		
CHCl <sub>3</sub>	✓		
Toluene-Hot	✓		

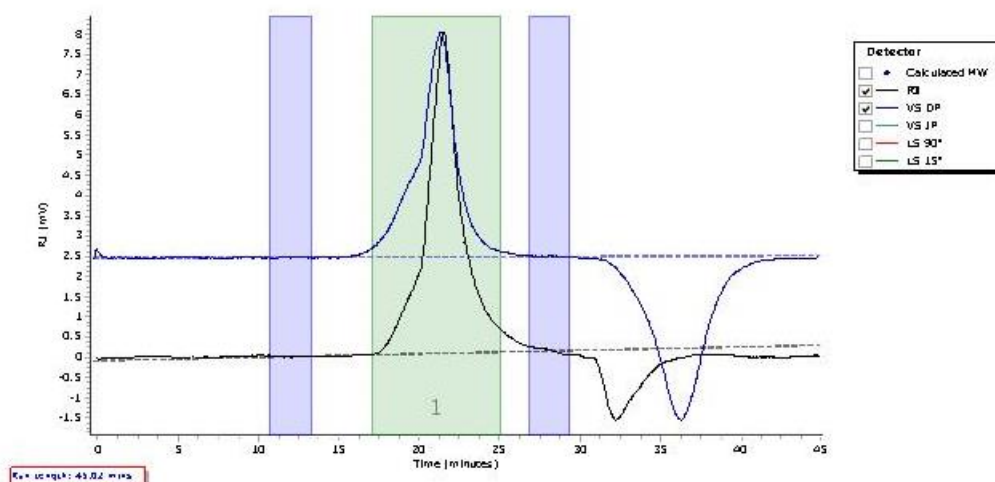
**Purification of Polymer:** To remove any traces of homo polybutadiene using acetone-Hexane

## Validation of Architecture

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

Chromatogram Plot

**P45247-SBDtBuA**



**B. NMR (HNMR) of polymer:**

