

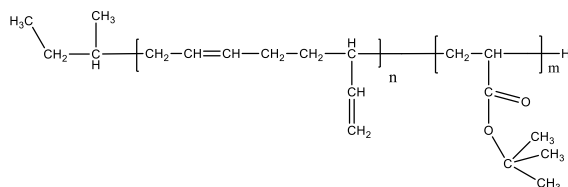
# Product Profile

## Identification

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

**Sample #:** P45256-BdtBuA

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup> PBd-b-PtBuA	PDI
225.0-b-5.0	1.19
1,2 Addition :90%	

**Method of Synthesis:** By anionic process

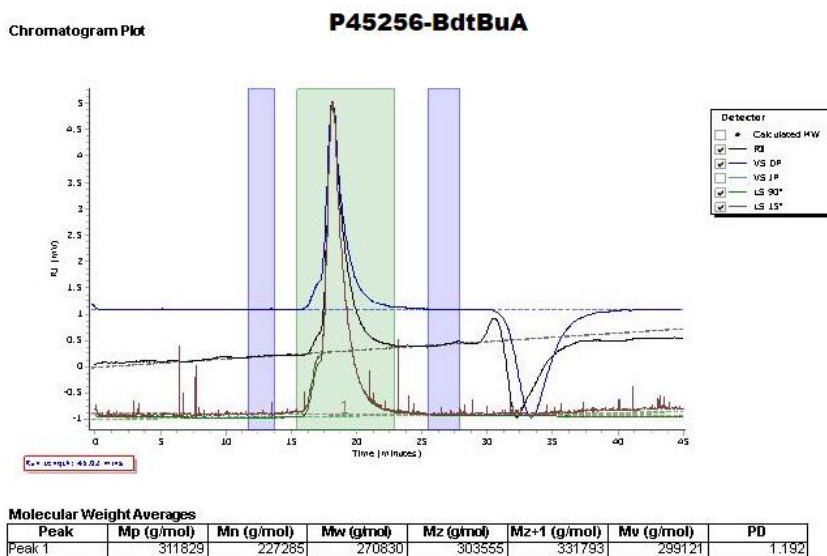
**Solubility in different solvents**

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



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

