

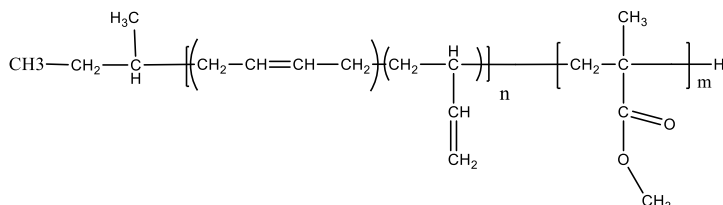
# Product Profile

## Identification

**Product Name:** Poly(1,2-butadiene)-b-poly(methyl methacrylate)

**Product Lot Number:** P8586R-BdMMA

## Product Chemical Architecture:



## Composition:

<b>Mn (g/mole)</b>	<b>65,000-b-79,000</b>
<b>Bd-b-MMA</b>	
<b>Mw/Mn</b>	<b>1.04</b>
<b>dn/dc (mL/g)</b>	<b>0.105-to 0.120 depending on composition of the block copolymer</b>

## Method of Synthesis

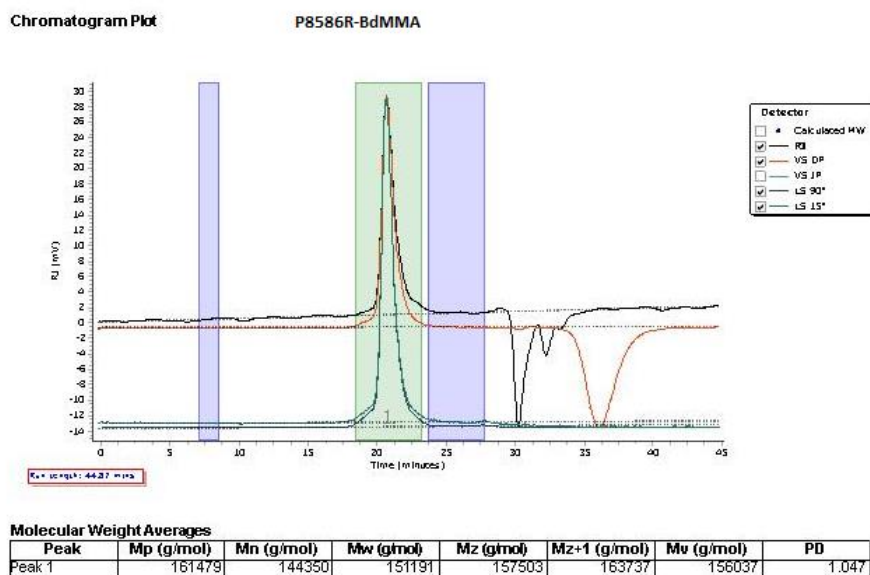
The polymer is synthesized by anionic polymerization Sec. Butyllithium as initiator.

## Solubility in different solvents

THF	√	DMF	X
Alcohol	X	CHCl3	√
Toluene	Yes depends on composition	DMSO	X

## Validation of Architecture

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



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

