

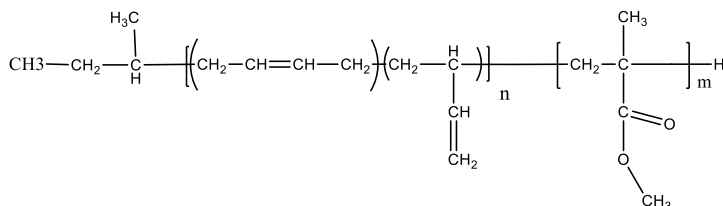
Product Profile

Identification

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

Product Lot Number: P8582BR-BdMMA

Product Chemical Architecture:



Composition:

Mn (g/mole)	185,000-b-100
Bd-b-MMA	
Mw/Mn	1.23
dn/dc (mL/g)	0.105-to 0.120 depending on composition of the block copolymer

Method of Synthesis

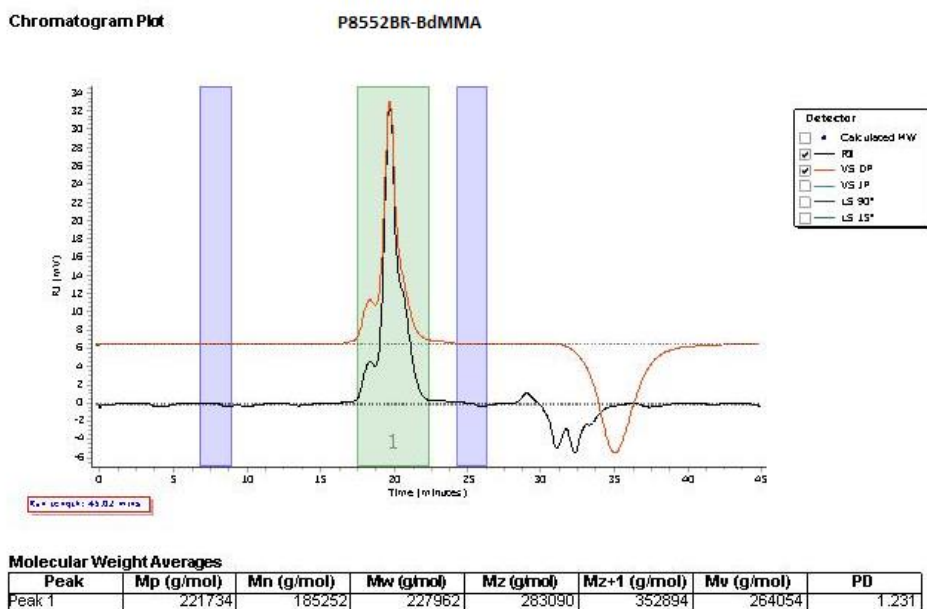
The polymer is synthesized by anionic polymerization Sec. Butyllithium as initiator.

Solubility in different solvents

THF	√	DMF	X
Alcohol	X	CHCl ₃	√
Toluene	Yes depends on composition	DMSO	X

Validation of Architecture

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



B. NMR (HNMR) spectrum of polymer:

