

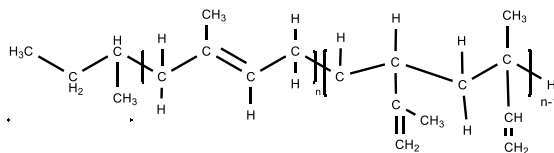
Product Profile

Identification

Product Name: Poly(1,4-isoprene)

Product Lot Number: P44662-IP

Product Chemical Architecture:



Composition:

Mn x 10 ³	Mw/Mn (PDI)	Microstructure of Polymer by ¹ H NMR
3.0	1.16	1,4 rich microstructure (cis 1,4: 80%; trans 1,4:15% and 3,4:5%)

Method of Synthesis

By anionic process

Solubility in different solvents

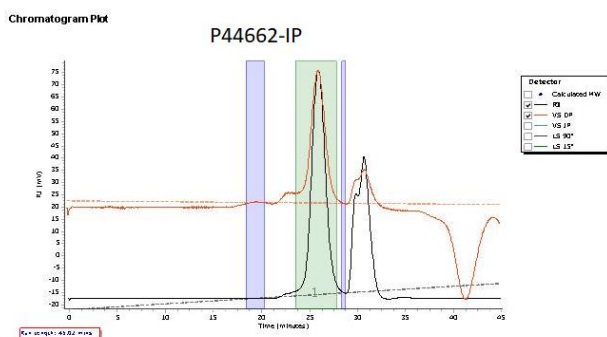
THF	✓		
CHCl ₃	✓	Hexane	✓
Toluene	✓		

Purification of Polymer:

By anionic process.

Validation of Architecture:

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



Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	3667	3349	3885	4548	5408	4312	1.16

B. NMR (HNMR) of polymer:

