

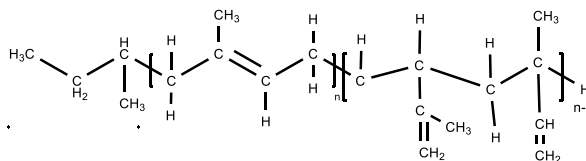
# Product Profile

## Identification

**Product Name:** Poly(1,4-isoprene)

**Product Lot Number:** P44666-IP

**Product Chemical Architecture:**



## Composition:

Mn x 10 <sup>3</sup>	Mw/Mn (PDI)	Microstructure of Polymer by <sup>1</sup> H NMR
1.5	1.06	1,4 rich microstructure (cis 1,4: 80%; trans 1,4:15% and 3,4:5%)

## Method of Synthesis

By anionic process

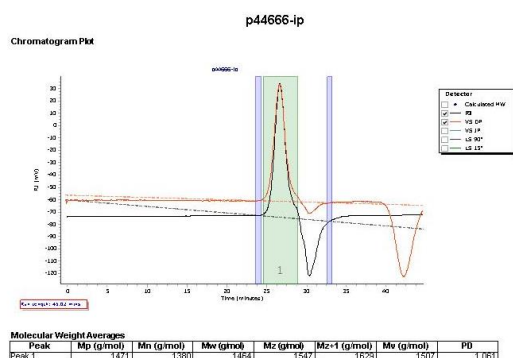
## Solubility in different solvents

THF	✓		
CHCl <sub>3</sub>	✓	Hexane	✓
Toluene	✓		

## Purification of Polymer: By anionic process.

## Validation of Architecture:

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



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

