Product Profile

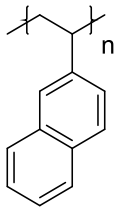
Identification

Product Name: Poly(2-vinylnaphthalene)

Product Lot Number: P44192A-2VN

CAS #: 28406-56-6

Product Chemical Architecture:



Composition:

Mn (g/mole)	1,038,000
Mw (g/mole)	1,192,000
Mw/Mn	1.15
dn/dc (mL/g) in THF at 30 ºC	0.230

Method of Synthesis

The polymer is synthesized by anionic polymerization process.

Solubility in different solvents:

THF	√	**DMF**	X
Alcohol	X	**$CHCl_3$**	√
Toluene	√	**Water**	X

Validation of Architecture

A. <u>Gel Permeation Chromatography (GPC), SEC Profile:</u>

Molecular weights were determined by Agilent Technologie 1260 Infinity II GPC/SEC System equipped with Triple detector (RI, Viscometer, RALS 90º and LS 15º) and three columns (PLgel, 7.5x300 mm, 5µm-10µm, 10^5-10^6Å). THF (stabilized BHT) with 1%(v/v%) TEA was the eluent. The flow rate was 1.0 ml/min.

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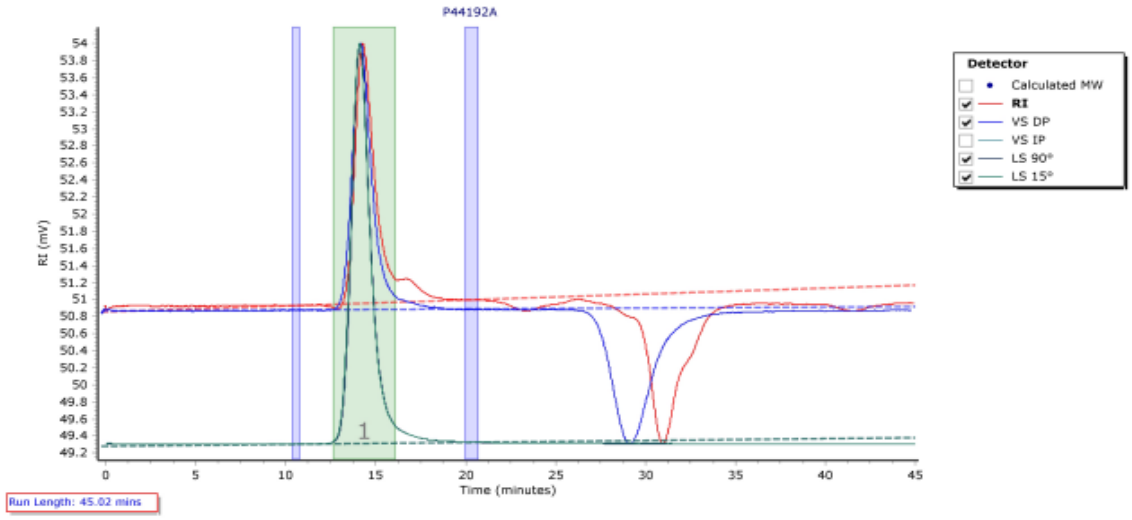
Polymer Source™ Inc.

P44192A

Chromatogram Plot



Molecular Weight Averages

Peak	Mp (g/mol)	Mn (g/mol)	Mw (g/mol)	Mz (g/mol)	Mz+1 (g/mol)	Mv (g/mol)	PD
Peak 1	1282376	1037863	1192412	1331948	1455515	1313793	1.149

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