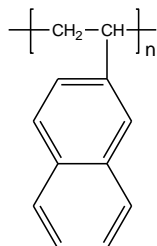


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P44207F-2VN

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	Mw x 10 <sup>3</sup>	PDI
90.5	256.0	2.8

**Synthesis Procedure:**

Poly(2-vinyl naphthalene) is synthesized by anionic living polymerization of 2-vinyl naphthalene.

**Characterization:**

The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography in THF using dn/dc 0.230 ml/g.

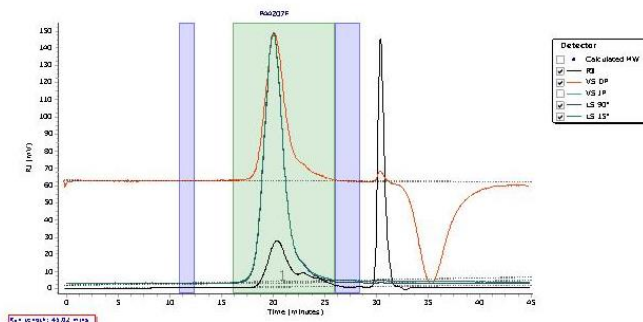
**Solubility:**

Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and CHCl<sub>3</sub>. It precipitates from methanol, ethanol, water, and hexanes.

**SEC elugram of Homopolymer:**

P44207F

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)	PDI
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Peak 1	298131	90558	256102	406703	525051	392524	2.828
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For further Information, please see the following our paper:

Faquan Zeng, Mu Yang, Jianxin Zhang, **Sunil K. Varshney**, "Synthesis and characterization of block copolymers from 2-vinylnaphthalene by anionic polymerization" J. of Polymer Science, Journal of Polymer Science Part A: Polymer Chemistry, 40, 24, 4387-4397 2002.