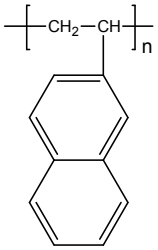
Sample Name: **Poly(2-vinyl naphthalene)**

Sample #: **P11030D-2VN**

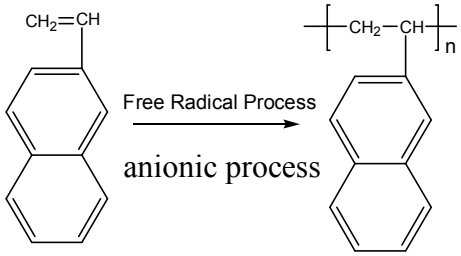
Structure:



Composition:

Mn x 10^3	PDI
19.0	1.45

Synthesis Procedure:
Poly(2-vinyl naphthalene) is synthesized by free radical or anionic living polymerization 2-vinyl naphthalene and the reaction scheme is below.



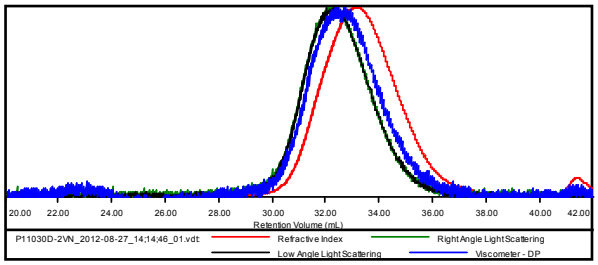
Characterization:
The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography.

Solubility:
Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and $CHCl_3$. It precipitates from methanol, ethanol, water and hexanes.

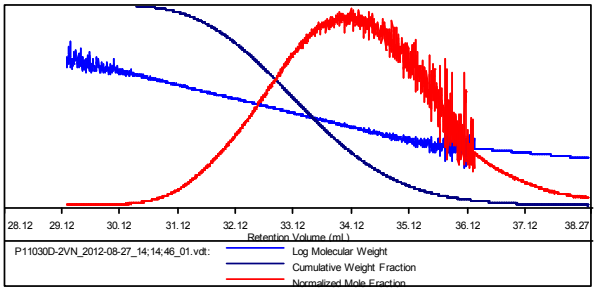
SEC of Homopolymer:

Sample ID: P11030D-2VN

Concentration (mg/mL)	5.9444
Sample dn/dc (mL/g)	0.2300
Method File	PS80K-aug-0002.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn (Da)	Mw (Da)	Mp (Da)	Mw/Mn	IV (dL/g)
P11030D-2VN_2012-08-27_14;14;46_01	18,883	27,592	25,124	1.461	0.1409



For further Information, please see the following our paper:

1. 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.