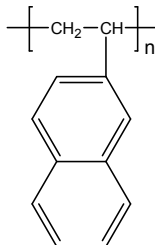


**Sample Name:** Poly(2-vinyl naphthalene)

**Sample #:** P10158D-2VN

**Structure:**

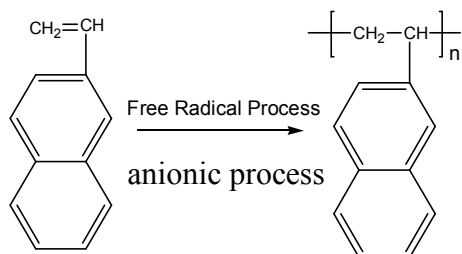


**Composition:**

Mn x 10 <sup>3</sup>	PDI
59.5	1.6

**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.

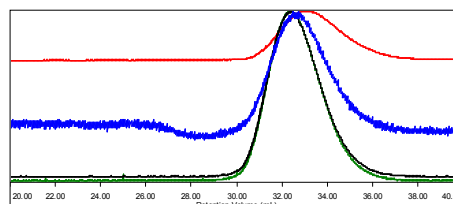
**Solubility:**

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

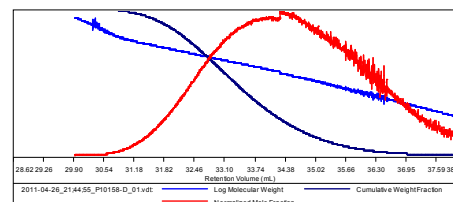
**SEC of Homopolymer:**

Sample ID: P10158-D

Concentration (mg/ml)	1.6656
Sample dn/dc (dl/g)	0.2300
Method File	PS80-Jan192011-0000.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn (Daltons)	Mw (Daltons)	Mp (Daltons)	Mw/Mn	IV (dl/g)
2011-04-26_21:44:55_P10158-D_01.vd	59,573	94,608	93,810	1.588	0.4027



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-vinyl naphthalene by anionic polymerization" J. of Polymer Science, Journal of Polymer Science Part A: Polymer Chemistry, 40, 24, 4387-4397 2002.