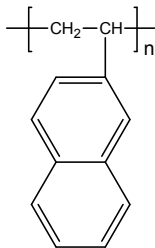


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P11010-2VN

**Structure:**

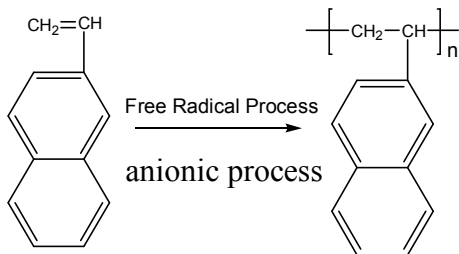


**Composition:**

Mn x 10 <sup>3</sup>	PDI
675	1.35

**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.

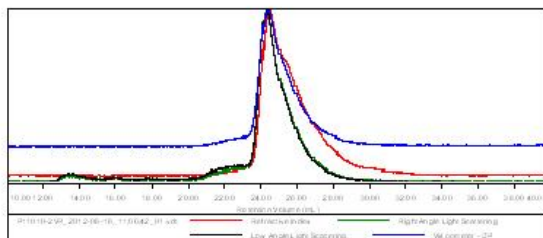
**Solubility:**

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

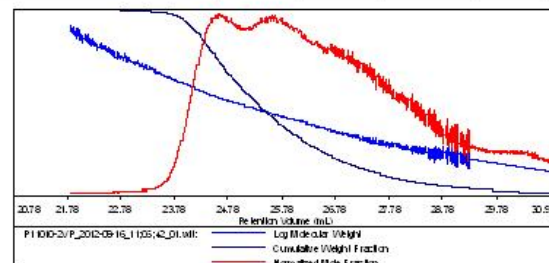
**SEC of Homopolymer:**

Sample ID: P11010-2VP-2VN

Concentration (mg/mL)	4.3107
Sample dn/dc (mL/g)	0.1670
Method File	PS80-Aug2012-0003.vcm
Column Set	3x PL 1113-6300
System	System 1



Sample	Mn (Da)	Mw (Da)	Mp (Da)	Mw/Mn	IV (dL/g)
P11010-2V_2012-08-16_11:06:42_01	674,470	914,262	1.207 e 6	1.356	0.8471



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.