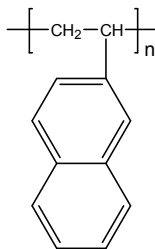


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P11013-2VN

Structure:

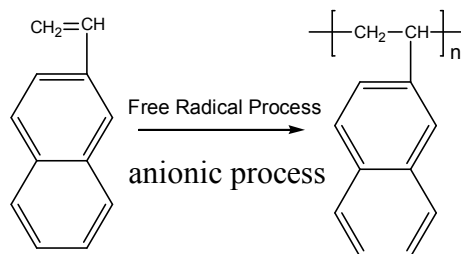


Composition:

Mn x 10 ³	PDI
914.0	1.28

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.

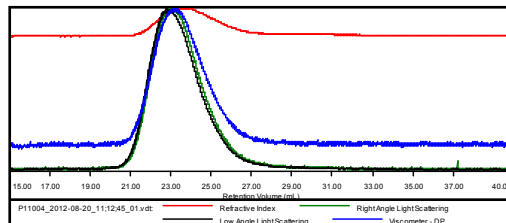
Solubility:

Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.

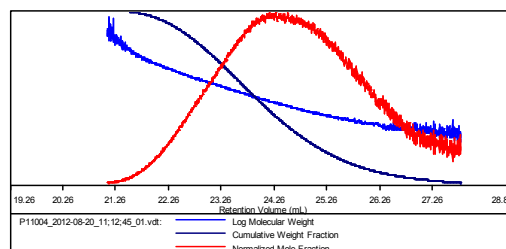
SEC of Homopolymer:

Sample ID: P11013-2VN

Concentration (mg/mL)	0.8599
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)
P11004_2012-08-20_11:12:45_01.vdt	913,907	1.173 e 6	1.026 e 6	1.283	1.7777



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.