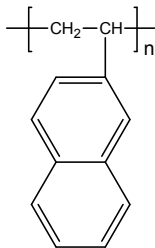


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P11018A-2VN

Structure:

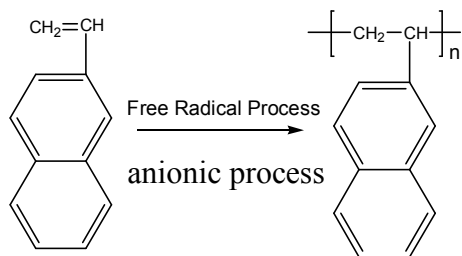


Composition:

Mn x 10 ³	PDI
31.0	1.5

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.

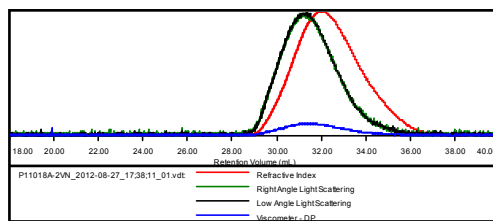
Solubility:

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

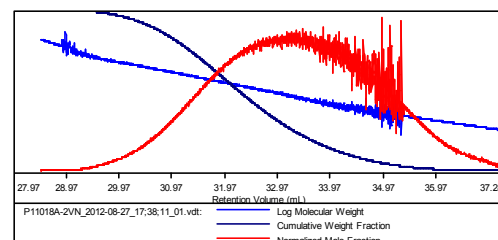
SEC of Homopolymer:

Sample ID: P11018A-2VN

Concentration (mg/mL)	3.2648
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)
P11018A-2VN_2012-08-27_17:38:11_01.vdt	30,688	45,752	44,550	1.491	0.1866



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.