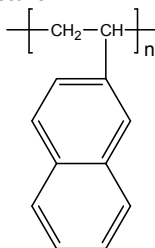


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P10158A-2VN

Structure:

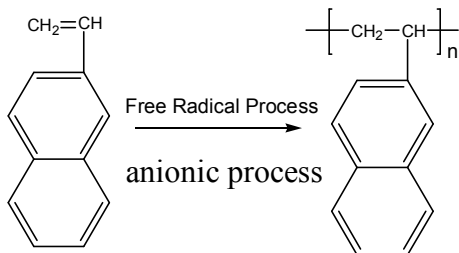


Composition:

Mn x 10 ³	PDI
174.0	1.33

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.

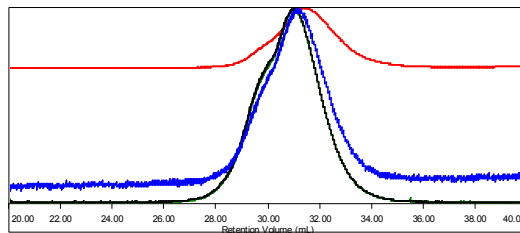
Solubility:

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

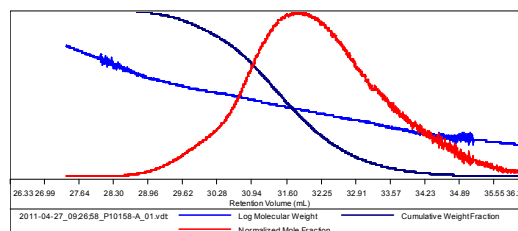
SEC of Homopolymer:

Sample ID: P10158-A

Concentration (mg/ml)	1.5842
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)
2011-04-27_09;26;58_P10158-A_01.vdt	173,898	232,563	207,017	1.337	0.7340



For further information, please see the following our paper:

1. Faquan Zeng, Mu Yang, Jianxin Zhang, **Sunil K. Varshey**,

“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.