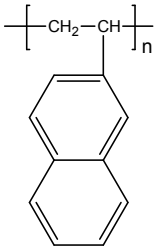
Sample Name: **Poly(2-vinyl naphthalene)**

Sample #: **P10986C-2VN**

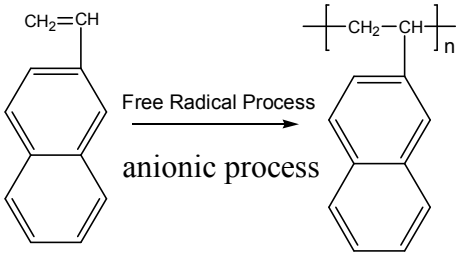
Structure:



Composition:

Mn x 10^3	PDI
8.5	1.5

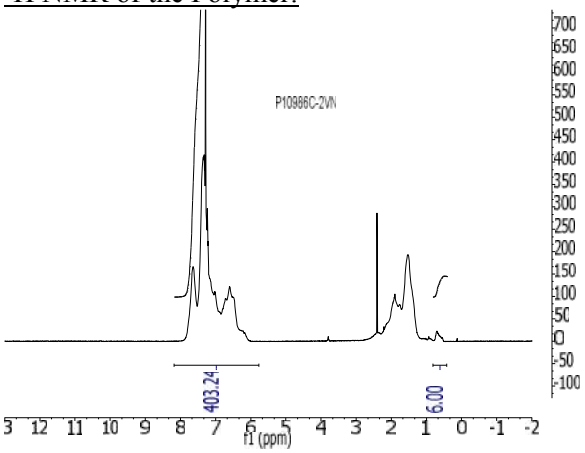
Synthesis Procedure:
Poly(2-vinyl naphthalene) is synthesized by free radical or anionic living polymerization 2-vinyl naphthalene and the reaction scheme is below.



Characterization:
The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography.

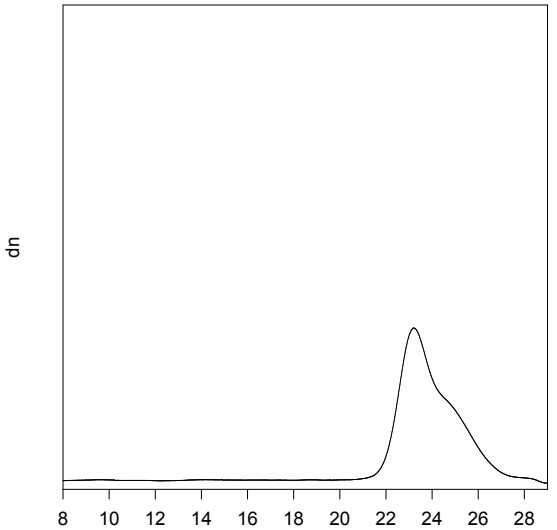
Solubility:
Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and $CHCl_3$. It precipitates from methanol, ethanol, water and hexanes.

^{1}H NMR of the Polymer:



SEC of Homopolymer

P10986c-2VN



Size Exclusion Chromatography of Poly(2-Vinylnaphthalene)
M_n=8,500, M_w=12,800, PI=1.5

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