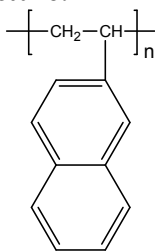


Sample Name: **Poly(2-vinyl naphthalene)**

Sample #: **P10986B-2VN**

Structure:

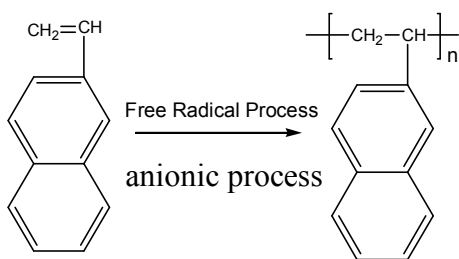


Composition:

Mn x 10 ³	PDI
2.5	1.2

Synthesis Procedure:

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



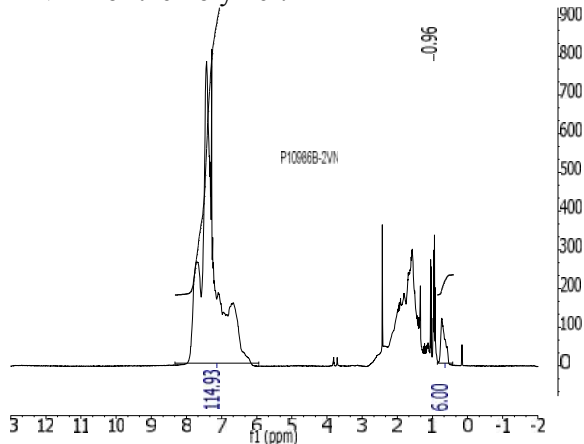
Characterization:

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

Solubility:

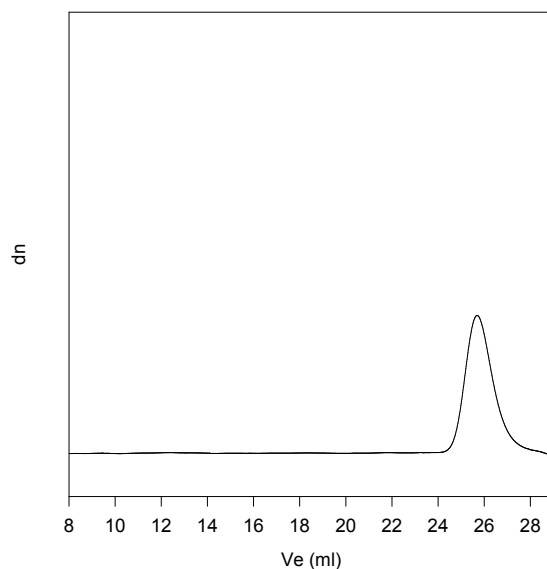
Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.

HNMR of the Polymer:



SEC of Homopolymer:

P10986B-2VN



Size Exclusion Chromatography of Poly(2-Vinylnaphthalene)
M_n=2,500, M_w=3,000, PI=1.20

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.