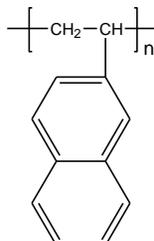


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P6096-2VN

Structure:

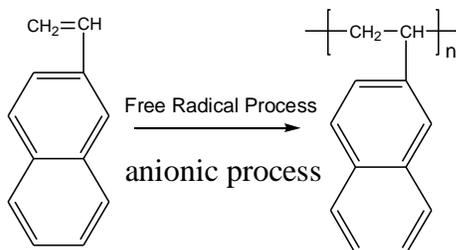


Composition:

Mn x 10 <sup>3</sup>	PDI
2.2	1.60

Synthesis Procedure:

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



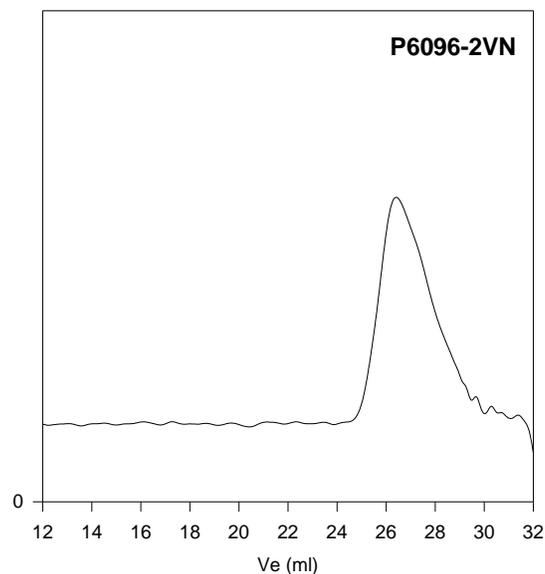
Characterization:

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.

SEC of Homopolymer:



Size Exclusion Chromatography of Poly(2-Vinylnaphthalene)

$M_n=2200$ ,  $M_w=3500$ ,  $PI=1.60$

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.