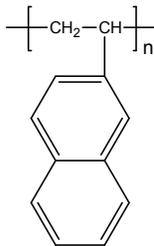


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P11013A-2VN

**Structure:**

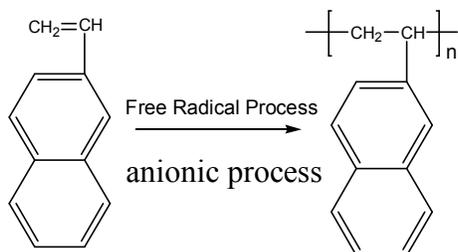


**Composition:**

$M_n \times 10^3$	PDI
87.0	2.0

**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:**

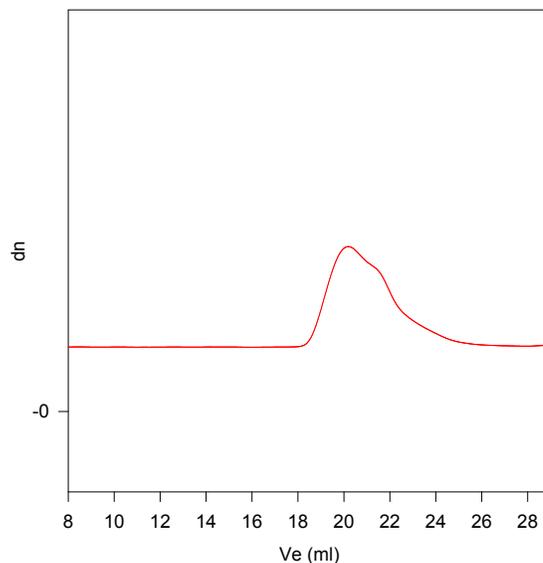
The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography.

**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:**

**P11013A-2VN**



Size Exclusion Chromatography of Poly(2-Vinylnaphthalene)  
 $M_n=87,000$ ,  $M_w=174,000$ ,  $PI=2.0$

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.