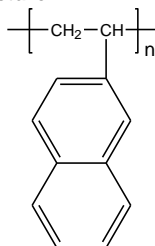


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P9504-2VN

**Structure:**

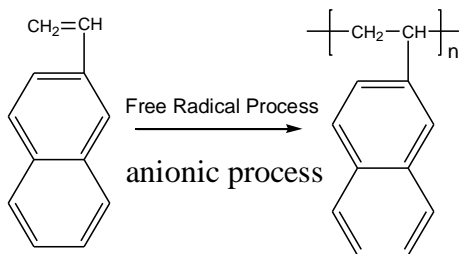


**Composition:**

$M_n \times 10^3$	PDI
12.0	2.2

**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:**

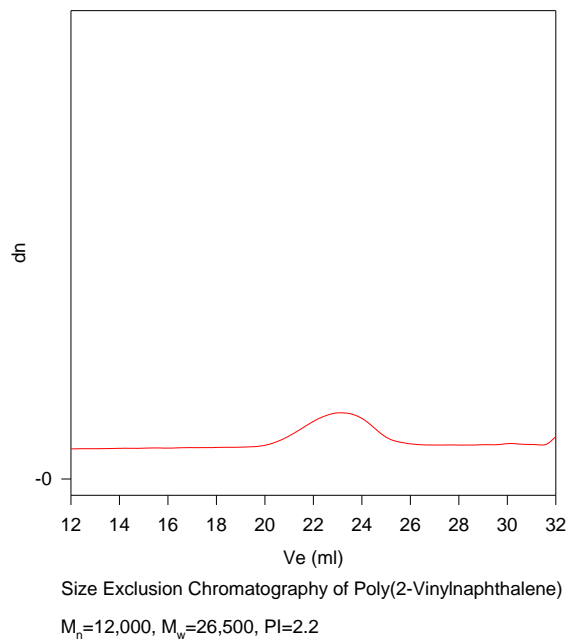
The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography.

**Solubility:**

Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and  $\text{CHCl}_3$ . It precipitates from methanol, ethanol, water and hexanes.

**SEC of Homopolymer:**

**P9504-2VN**



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