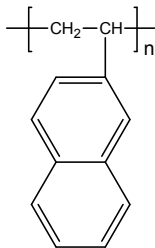


Sample Name: **Poly(2-vinyl naphthalene)**

Sample #: **P10994A-2VN**

**Structure:**

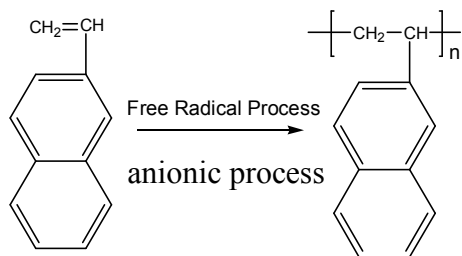


**Composition:**

Mn x 10 <sup>3</sup>	PDI
6.5	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:**

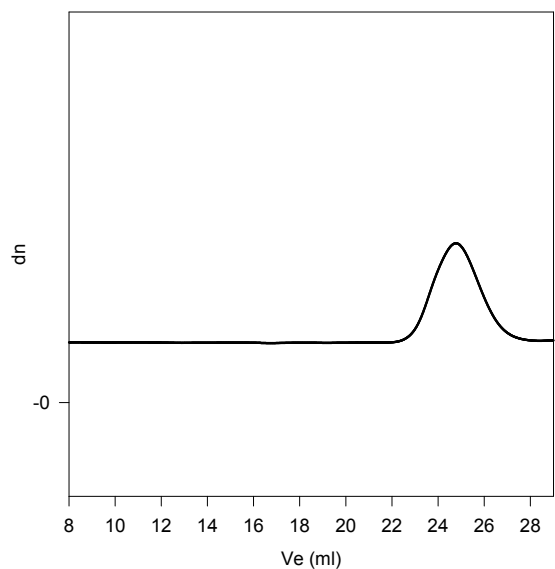
The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography.

**Solubility:**

Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and CHCl<sub>3</sub>. It precipitates from methanol, ethanol, water and hexanes.

**SEC of Homopolymer:**

**P10994A-2VN**



Size Exclusion Chromatography of Poly(2-Vinylnaphthalene)  
M<sub>n</sub>=6,500, M<sub>w</sub>=9,800, PI=1.5

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.