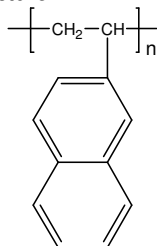


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P3281-2VN

Structure:

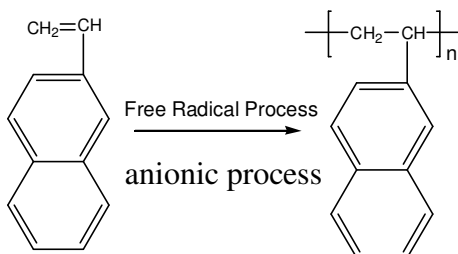


Composition:

$M_n \times 10^3$	PDI
271.0	1.13

Synthesis Procedure:

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



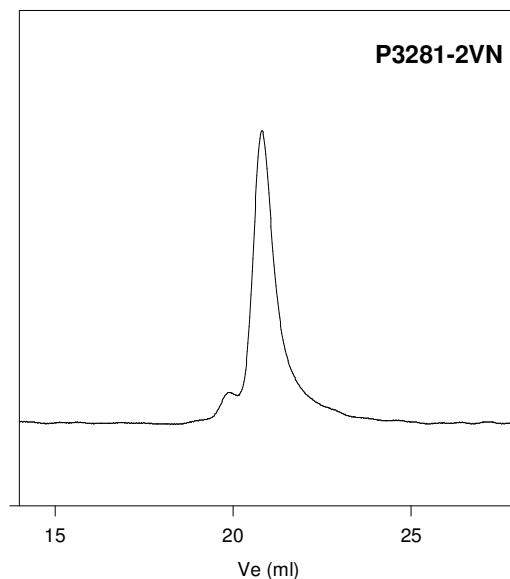
Characterization:

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-Vinyl naphthalene) with respect to polystyrene standards:

$M_n=271000, M_w=306000, PI=1.13$

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.