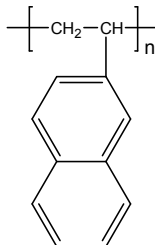


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P10159B-2VN

Structure:

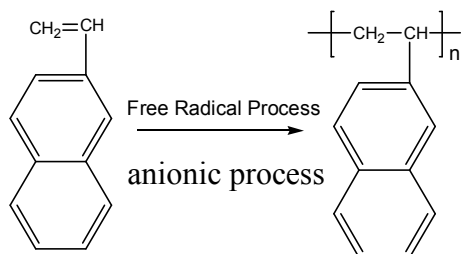


Composition:

Mn x 10 ³	PDI
438.0	1.35

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:

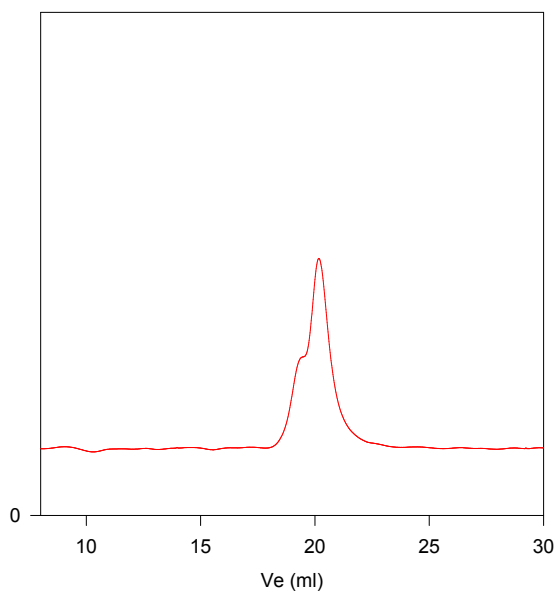
The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography.

Solubility:

Poly(2-vinyl naphthalene) is soluble in DMF, THF, toluene and CHCl₃. It precipitates from methanol, ethanol, water and hexanes.

SEC of Homopolymer:

P10159B-2VN



Size exclusion chromatography of poly(2-Vinylnaphthalene)
 $M_n=438,000, M_w=590,000, PI=1.35$

For further Information, please see the following our paper:

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.