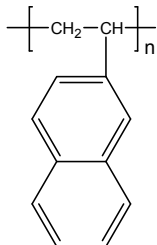


Sample Name: Poly(2-vinyl naphthalene)

Sample #: P10928-2VN

Structure:

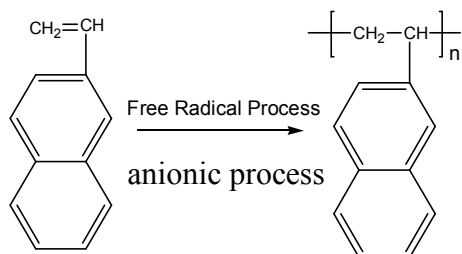


Composition:

Mn x 10 ³	PDI
48.0	1.20

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:

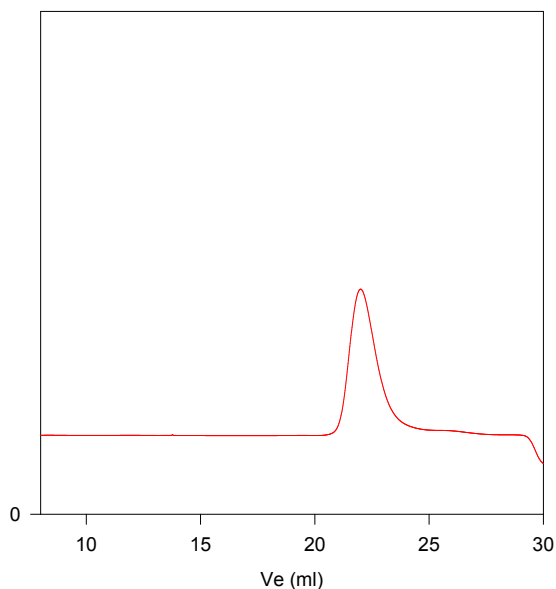
The molecular weight and polydispersity index (PDI) of Poly(2-vinyl naphthalene) are obtained by size exclusion chromatography.

Solubility:

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

SEC of Homopolymer:

P10928-2VN



Size exclusion chromatography of poly(2-Vinylnaphthalene)
M_n=48,000, M_w=57,500, PI=1.20

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.