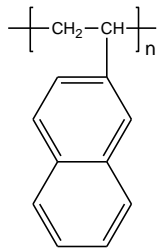


Sample Name: Poly (2-vinyl naphthalene)

Sample #: P40698-2VN

**Structure:**



**Composition:**

Mn x 10 <sup>3</sup>	PDI
2.5	1.09

**Synthesis:**

The polymer was synthesized by anionic polymerization process.

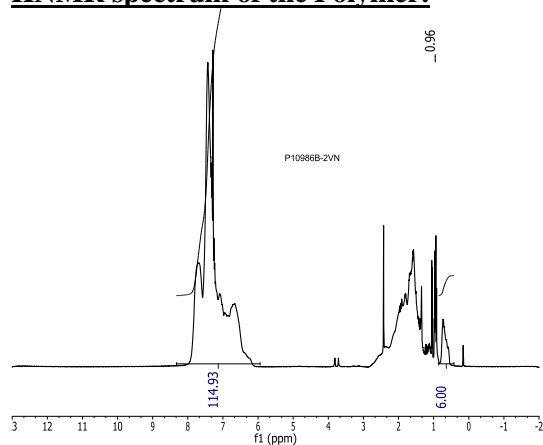
**Characterization:**

The product was characterized by size exclusion chromatography (SEC) and <sup>1</sup>H NMR.

**Solubility:**

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

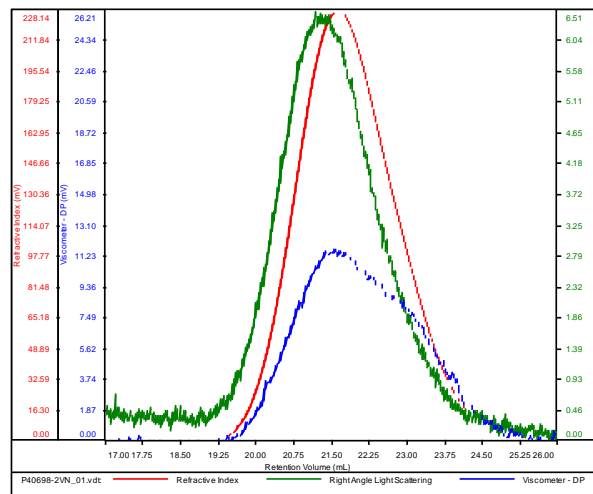
**HNMR spectrum of the Polymer:**



**SEC elugram of Homopolymer:**

P40698-2VN

Conc	12.2080
dn/dc	0.1840
Solvent	DMF w 0.023M LiBr
Flow Rate	0.7000
Method	PS80k_2017-July-20-0000.vcm



Sample	Mn	Mw	Mp	Mw/Mn	IV
P40698-2VN_01.vdt	2,440	2,657	2,497	1.089	0.0317

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.