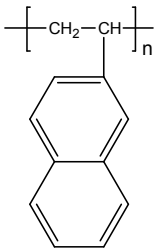
Sample Name: **Poly (2-vinyl naphthalene)**

Sample #: **P40334-2VN**

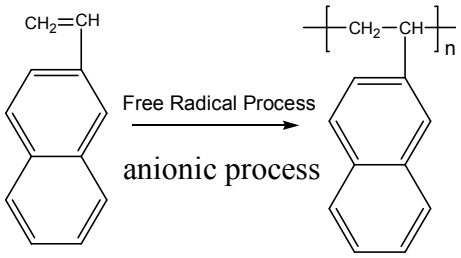
Structure:



Composition:

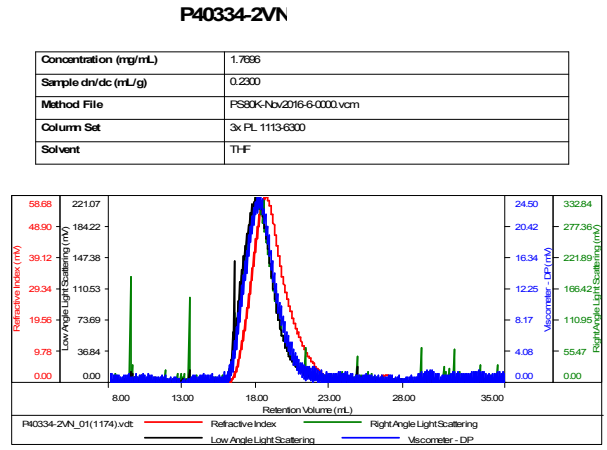
Mn x 10^3	PDI
199.0	1.55

Synthesis Procedure:
Poly (2-vinyl naphthalene) is synthesized by free radical or anionic living polymerization of 2-vinyl naphthalene.
The reaction scheme is as below:



Characterization:
The molecular weight and polydispersity index (PDI) are obtained by size exclusion chromatography (SEC) using THF as an eluent. SEC analysis was performed on a Varian liquid chromatograph equipped with refractive and UV light scattering detectors. Three SEC columns from Supelco (G6000-4000-2000 HXL) were used with triple detectors from Viscotek Co.

SEC elugram of Homopolymer:



Sample	Mn (Da)	Mw (Da)	Mw/Mn	IV (dL/g)	Mp (Da)
P40334-2VN_01(1174	198,875	304,785	1.533	0.8351	262,990

For the details of the analysis please read our following publication:
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.