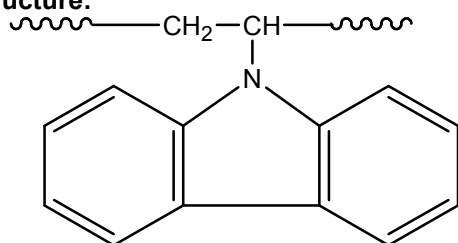


Sample Name:
Poly(N-vinyl carbazole)

Sample #: **P7098A-VK**

Structure:

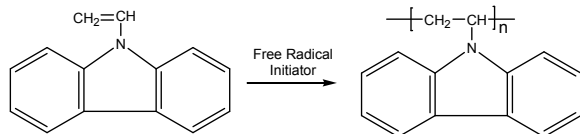


Composition:

Mn x 10 ³	PDI
25.0	2.0

Synthesis Procedure:

Poly(N-vinyl carbazole) is obtained by free radical polymerization of N-vinyl carbazole and the reaction scheme is shown below.



Characterization:

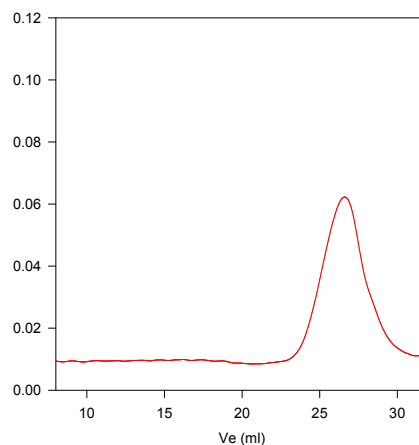
The molecular weight and polydispersity index (PDI) of Poly(N-vinyl carbazole) are obtained by size exclusion chromatography.

Solubility:

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

SEC of Homopolymer:

P7098A-VK



Size exclusion chromatography of poly(N-vinylcarbazole)

M_n=25000, M_w=50000, PI=2.0

Intrinsic viscosity in THF at 30 °C: 0.23 dl/g

radius of gyration: 6.32 nm