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## **Technical Data Sheet**

**MATERIAL:** Poly(n-vinyl carbazole)

CATALOG NUMBER: 093

**CAS NUMBER:** 25067-59-8

**DESCRIPTION:** Homopolymer of n-vinyl carbazole

**FORMULA:**  $(C_{14}H_{11}N)_x$ 

**TYPICAL PROPERTIES:** 

Appearance: Powder

Approx Mw: 90,000 [GPC]

Density: 1.20 Glass transition temp: 227°C Refractive index:  $n_D^{20}$  1.683

Solubility: Benzene, chloroform, dichloromethane,

dioxane, THF, toluene

**GENERAL INFORMATION:** The polymer exhibits excellent electrical insulation characteristics over a

wide range of temperature and frequency and has found application as an insulator in continuous high temperature use. When compounded with compounds such as trinitrofluorenone, PVK gives good results as a

photoconductor.

**STRUCTURE:** 

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