

## TECHNICAL DATA SHEET 263

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# Poly(N-vinylcarbazole) (PVK)

### Physical Properties:

**Softening Point** Over 175°C

**Glass Transition Temperature** 200°C

**Color** Transparent, very slight yellow

**Solubility** Insoluble in alcohols, esters, ketones, carbon tetrachloride, and aliphatic hydrocarbons.  
Soluble in aromatic hydrocarbons, chloroform, chlorobenzene, methylene chloride, and tetrahydrofuran.

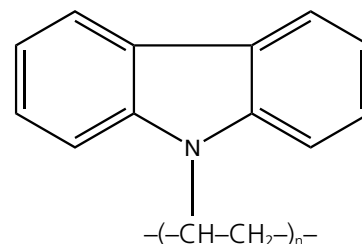
**Chemical Resistance** Resistant to alkalis, acids, water and salt solutions even at temperatures as high as 100°C.

### Uses:

**Photoconductor** Solution coatings can be prepared in toluene and mixtures of chlorinated solvents/THF or THF/dioxane. Trinitrofluorenone 60% and 40% PVK give good results as a photoconductor.

**Optical** High refractive index,  $n_{20}^D = 1.696$ , for optical use.

**Electrical** PVK has outstanding stability as an insulator in continuous high temperature use.



### Ordering Information:

Cat. #	Description	Size
02428	Poly(N-vinylcarbazole)	10g 50g
02429	N-Vinylcarbazole	25g 100g 500g

### To Order:

In The U.S. Call: 1-800-523-2575 • 215-343-6484  
In The U.S. FAX: 1-800-343-3291 • 215-343-0214

In Germany Call: (49) 6221-765767  
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