



Technical Data Sheet

MATERIAL: Polyvinylpyrrolidone

CATALOG NUMBER: 328

CAS NUMBER: 9003-39-8

DESCRIPTION: Poly(N-vinylpyrrolidone)

FORMULA: $(C_6H_9NO)_x$

TYPICAL PROPERTIES:

Appearance:	Powder
Approx Mw:	10,000
Intrinsic viscosity:	0.06
Refractive index:	n_D^{25} 1.5300
Glass transition temp:	175°C
Solubility:	Alcohols, amines, chloroform, glycols, methylene chloride, nitroparaffins, water (cold)

GENERAL INFORMATION: Polyvinylpyrrolidone finds use in adhesives to improve strength and toughness; in plastics as a pigment dispersant, bonding agent and stabilizer; in paper manufacture to increase strength and as a coating resin; and in synthetic fibers to improve dye receptivity. It has also been used in inks, lithography, detergents and soaps, agricultural products and as a polymerization additive.

STRUCTURE: