



Technical Data Sheet

MATERIAL: Poly(vinyl alcohol), 99% hydrolyzed

CATALOG NO.: 002

CAS NUMBER: 9002-89-5

DESCRIPTION: Super hydrolyzed poly(vinyl alcohol)

FORMULA: $(C_2H_4O)_x$

TYPICAL PROPERTIES:

Appearance:	Granular
Approx Mw:	115,000
Refractive index:	n_D^{20} 1.5239
Viscosity:	67 cp (4% aqueous solution)
Density:	1.29
Glass transition temp:	99°C
Melting point:	200°C
Glass transition temp:	99°C
Solubility parameter:	13.4
Solubility:	Glycerol (hot), glycols (hot), water

GENERAL INFORMATION: Prepared by polymerizing vinyl acetate and hydrolyzing the resulting polymer. Highly hydrolyzed grades of poly(vinyl alcohol) exhibit increased water resistance, tensile strength, solvent resistance and adhesion to hydrophilic surfaces over partially hydrolyzed grades. Highly hydrolyzed grades of poly(vinyl alcohol) find use in quick-setting, water-resistant adhesives.

STRUCTURE:

