



Technical Data Sheet

MATERIAL: Poly(vinyl alcohol), 98% hydrolyzed

CATALOG NUMBER: 352

CAS NUMBER: 9002-89-5

DESCRIPTION: Fully hydrolyzed poly(vinyl alcohol)

FORMULA: $(C_2H_4O)_x$

TYPICAL PROPERTIES:

Appearance:	Granular
Approx Mw:	16,000
Viscosity:	6 cp (4% aqueous solution @ 20°C)
Refractive index:	n_D^{20} 1.50
Density:	1.29
Melting point:	200°C
Glass transition temp:	73°C
pH:	5-7 (4% aqueous solution)
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:

