



## Technical Data Sheet

**MATERIAL:** Poly(vinyl alcohol), 99% hydrolyzed

**CATALOG NUMBER:** 361

**CAS NUMBER:** 9002-89-5

**DESCRIPTION:** Fully hydrolyzed poly(vinyl alcohol)

**FORMULA:**  $(C_2H_4O)_x$

**TYPICAL PROPERTIES:**

Appearance:	Granular
Approx Mw:	86,000
Refractive index:	$n_D^{20}$ 1.50
Viscosity:	30 cp (4% aqueous solution @ 20°C)
Density:	1.29
Glass transition temp:	99°C
Melting point:	200°C
Solubility parameter:	13.4
pH:	6-8
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:**

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