

# TECHNICAL DATA SHEET

**Material:** Polyvinyl Alcohol (PVA)  
**CAS Number:** 9002-89-5/25213-24-5

## DESCRIPTION OF THE PRODUCT

**Polyvinyl alcohol (PVOH, PVA)** is a water-soluble synthetic polymer. It has the idealized formula  $[\text{CH}_2\text{CH}(\text{OH})]_n$ . It is used in papermaking, textiles, and a variety of coatings. It is white and odorless. It is sometimes supplied as beads or as solutions in water.

## SALES SPECIFICATION

PARTICALLY HYDROLYZED (CAS No. 25213-24-5)					
GRADE	Hydrolysis (mol%)	Viscosity(cps 4% solution @ 30°C)	Volatiles (% Max.)	ASH Content (% Max.)	PH Value
05-88	86.0-89.0	4.5-6.5	5.0	0.5	5-7
17-88	86.0-89.0	20.0-26.0	5.0	0.5	5-7
20-88	86.0-89.0	28.0-35.0	5.0	0.5	5-7
24-88	86.0-89.0	44.0-54.0	5.0	0.5	5-7
26-88	86.0-89.0	54.0-68.0	5.0	0.5	5-7

FULLY HYDROLYZED (CAS No. 9002-89-5)					
05-99	98.0-100.0	4.5-7.0	5.0	0.7	5-7
12-99	98.0-100.0	12.0-15.0	5.0	0.7	5-7
15-99	98.0-100.0	15.0-24.0	5.0	0.7	5-7
17-99	98.0-100.0	26.0-35.0	5.0	0.7	5-7
24-99	98.0-100.0	48.0-68.0	5.0	0.7	5-7
26-99	98.0-100.0	68.0-80.0	5.0	0.7	5-7

SPECIAL GRADE POLYVINYL ALCOHOL (CAS No. 25213-24-5)					
GRADE	Hydrolysis (mol%)	Viscosity(cps 4% solution @ 30°C)	Volatiles (% Max.)	ASH Content (% Max.)	PH Value
04-98	98.0-98.8	4.0-8.0	5.0	0.5	5-7
17-95	94.0-96.0	22.0-28.0	5.0	0.5	5-7
17-92	90.0-94.0	20.0-30.0	5.0	0.5	5-7
20-92	90.0-95.0	30.0-40.0	5.0	0.5	5-7