



PVA-F2 Polyvinyl Alcohol (Fully Hydrolyzed)

CAS No.: 9002-89-5
Formula: $\text{CH}_2\text{-CH(OH)}$

DESCRIPTION

PVA-F2 is a fully hydrolyzed polyvinyl alcohol grade exhibiting excellent bonding strength, film-forming, and emulsifying properties. It offers outstanding resistance to oils, greases, and many organic solvents. PVA-F2 forms strong, transparent films and provides excellent adhesion to porous surfaces, making it suitable for both adhesive and binder applications.

KEY FEATURES

- Fully hydrolyzed for enhanced water resistance.
- Offers excellent film-forming and emulsifying properties.
- High tensile strength and flexibility.
- Low ash content with stable performance across diverse applications.

APPLICATIONS

- Adhesives and emulsion polymerization, serving as a protective colloid for PVAc emulsions.
- Used as a sizing agent in paper manufacturing.
- Applied in textile finishing to improve crease and shrink resistance.
- Functions as a ceramic binder and auxiliary agent in specialty formulations.
- Acts as a resin finishing agent for hard-finish coatings.

TYPICAL SPECIFICATIONS

Parameter	Specification
pH	5.0 – 7.0
Viscosity (cps)	58.0 – 68.0
Degree of hydrolysis (%)	99.4 – 99.8
Volatile matter (%)	≤ 5.0
Ash (%)	≤ 0.7



**LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.**

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- Available in 20 kg paper bags and 800 kg polypropylene super sacks.
- Custom packaging options are available upon request.

STORAGE

Store in a cool, dry location away from direct sunlight. Keep packaging tightly sealed to avoid moisture uptake and maintain consistent quality.

SAFETY & HANDLING

Consult the Safety Data Sheet (SDS) before use. Avoid inhalation of dust and contact with eyes. Use adequate ventilation and appropriate personal protective equipment during handling.