



PVA-P1S Polyvinyl Alcohol (Partially Hydrolyzed)

CAS No.: 25213-24-5
Formula: $\text{CH}_2\text{-CH(OH)}$

DESCRIPTION

PVA-P1S is a partially hydrolyzed grade of polyvinyl alcohol exhibiting excellent film-forming, emulsifying, and stabilizing properties. Due to its dual hydrophilic and hydrophobic nature, it functions effectively as both a surfactant and a protective colloid. PVA-P1S provides good adhesion, water solubility, and flexibility, making it suitable for a wide range of coating, adhesive, and polymer-emulsion systems.

KEY FEATURES

- Balanced hydrophilic–hydrophobic profile for versatile performance.
- Excellent emulsifying and colloid-stabilizing ability.
- Good film-forming characteristics and strong adhesion to diverse substrates.
- High purity and low ash content ensuring consistent processing results.

APPLICATIONS

- Used in paper coatings and surface treatments.
- Applied in adhesives and polymer emulsification.
- Functions as a binder and dispersant in industrial formulations.
- Serves as an additive to enhance coating strength and flexibility.

TYPICAL SPECIFICATIONS

Parameter	Specification
pH	5.0 – 7.0
Viscosity (cps)	44 – 50
Degree of hydrolysis (%)	86 – 89
Volatile matter (%)	≤ 5.0
Ash (%)	≤ 0.5





**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 25 kg multi-wall paper bags and large-format super sacks.
- Alternative packaging configurations may be available upon request.

STORAGE

Store in a cool, dry location away from direct sunlight and sources of heat.

Keep packaging sealed to prevent moisture uptake and maintain consistent product performance.

SAFETY & HANDLING

Consult the Safety Data Sheet (SDS) prior to handling. Avoid dust generation and contact with eyes or skin. Use adequate ventilation and standard protective equipment when processing the material.