



Polyvinyl Alcohol (PVA) 05-88 160 Mesh

CAS No.: 9002-89-5

Formula: $(C_2H_4O)_n$

DESCRIPTION

Polyvinyl Alcohol 05-88 is a partially hydrolysed, water soluble polymer used as a binder, film former and protective colloid. Its balance of viscosity and solubility makes it suitable for adhesives, construction materials, ceramics, textile sizing, emulsions and a wide range of industrial formulations.

KEY FEATURES

- Excellent film-forming properties
- Strong adhesion and cohesive strength
- Good emulsification and suspension stability
- Low ash content
- Consistent viscosity and performance
- Good compatibility with inorganic fillers and pigments

APPLICATIONS

- Construction admixtures, cement modifiers and redispersible polymer systems
- Adhesives and glues
- Ceramic binder formulations
- Emulsion polymerisation
- Textile warp sizing
- Paper and packaging coatings
- Water-soluble films

TYPICAL SPECIFICATIONS

Parameter	Specification
Hydrolysis (Mol percent)	86.0 to 90.0
Viscosity (4% solution, mPa·s)	4.0 to 7.0
Volatile Matter (%)	≤ 7.0
Ash (%)	≤ 0.7
pH (4% solution)	5 to 7
Purity (%)	≥ 91.5
Particle Size	160 Mesh



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PACKAGING

- 25 kg bags
- 500 kg bulk bags
- 1000 kg bulk bags (subject to availability)

STORAGE

Store in a dry, cool environment away from moisture. Keep bags tightly sealed when not in use. Avoid exposure to humidity to prevent lumping and loss of flowability.

SAFETY & HANDLING

Avoid breathing dust. Use appropriate PPE including dust mask, goggles and gloves. Handle in well ventilated areas. Refer to the Safety Data Sheet for full details.