



石家庄科昊化工有限公司

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Technical Data Sheet

Item No.: PVA-1799

Product Overview

PVA-1799 is a fully or highly hydrolyzed, medium-viscosity polyvinyl alcohol grade. Compared with partially hydrolyzed grades, it provides stronger intermolecular association and is suitable for applications requiring high film strength, bonding and improved resistance after film formation.

Application performance

Desc	Level of improvement
Adhesion	high
Cohesion	high
Film formation	high
Mechanical performance	good
Formulation stability	good

Recommended Applications

High-strength adhesives, paper surface sizing, textile sizing, coatings, films and polymer modification applications requiring a high degree of hydrolysis.

operating guide

1. Add PVA together with other dry components and disperse uniformly before water addition.
2. The dosage should be determined according to the formulation, target performance and application test.
3. For aqueous preparation, add PVA gradually under agitation and use an appropriate dissolution temperature for the selected grade.

Typical Data

Desc	Range
Appearance	White or slightly yellowish powder
Degree of hydrolysis	98.0-99.4 mol%
Viscosity (4% solution, 20 C)	23.0-29.0 mPa.s
Volatile matter	<=5.0%
Ash content	<=0.7%
pH value	5.0-7.0
Purity	>=93.0%

* The data listed above are typical grade specifications and should be confirmed against the final batch COA.

Packing/Storage&Transportation/Shelf Life

Standard Packing

25kg/Bag

Store in a dry, cool and well-ventilated place. Protect from moisture, heat and direct sunlight.

Shelf Life

Keep in dry and cool conditions for at least 12 months. If stored beyond the stated shelf life, the product should be tested before use.

product safety

Handle in accordance with good industrial hygiene and safety practice. Avoid dust generation and unnecessary inhalation.

For further information, see the Product Safety Data Sheet.