



TECHNICAL DATA SHEET

VP/VA Copolymer

Technical Data Sheet | Film-Forming & Hair-Fixing Polymer

Product Overview

VP/VA Copolymer (also known as PVP/VA) is a powdered film-forming polymer designed to provide strong, stiff hold in hair-care formulations. It supports curl retention under high-humidity conditions and forms transparent, flexible, breathable films. The 60:40 vinylpyrrolidone-to-vinyl acetate balance provides a standard-hold profile that combines film hardness with natural movement.

Product Identification

Parameter	Details
Product name	VP/VA Copolymer
Alternative name	PVP/VA Copolymer
INCI name	VP/VA Copolymer
Product form	Powder
Composition / assay	60% VP (vinylpyrrolidone) / 40% VA (vinyl acetate)
Primary functions	Film forming, hair fixing, anti-static, binding and emulsion stabilising

Typical Properties

Property	Typical Value / Description
Appearance	White to slightly yellowish, fine- to coarse-grained powder
Solubility	Water soluble; heat accelerate hydration
Use rate	0.5–6.0%
Recommended use rate	3.0–5.0% for gels, creams, mousses and styling lotions
pH stability	4.0–7.0
Temperature tolerance	Avoid temperatures above 80°C
Storage	Store in a cool, dark and dry place

Key Features & Benefits

- Excellent curl retention, including under high-humidity conditions
- Strong, stiff hold with a standard balance between hardness and natural movement



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- Forms transparent, flexible and breathable films
- Supports anti-static performance
- Provides binding and emulsion-stabilising functionality
- Suitable for a broad range of hair-styling formats

Applications

Application Area	Examples
Hair styling	Hairsprays, mousses, gels and styling lotions
Hair care	Conditioners and creams
Colour cosmetics / hair colour	Colouring products

Formulation & Processing Guidance

1. Add at 0.5–6.0% according to the required hold, film character and product format.
2. For gels, creams, mousses and styling lotions, begin evaluation within the published 3.0–5.0% recommended range.
3. Disperse into water with suitable agitation. Moderate heating may accelerate hydration.
4. Keep processing temperatures below 80°C.
5. Formulate within pH 4.0–7.0 and confirm final-product compatibility, stability, safety and performance through appropriate testing.

Handling & Storage

For professional formulation and manufacturing use. Store tightly closed in a cool, dark and dry place. Protect from moisture and excessive heat. Use appropriate good manufacturing practices and review the current Safety Data Sheet before handling. This material is intended for external use in cosmetic formulations and should not be taken internally. Keep out of reach of children.

Disclaimer

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