

STARIND PVPs and STARCLEAR PVPP

Polymers for Stronger Tabs and Cleaner Laundry



PVP K
Polyvinylpyrrolidone
Povidone

PVP/VA
PVP/VA Copolymer
Copolydione

PVPP

Polyvinylpyrrolidone
Crospovidone

Dye Transfer Inhibitor
Gloss and Shine Enhancer
Anti-Redeposition Agent
Film Former
Tablet Binder
Superdisintegrant

SSP 斯泰克

Star-Tech & JRS Specialty Products Co.,Ltd.

Performance Polymers for Stronger Tabs and Cleaner Laundry



PVP K

Polyvinylpyrrolidone
Povidone

CAS No.: 9003-39-8



PVPP

Polyvinylpolypyrrolidone
Crospovidone

CAS No.: 25249-54-1



PVP/VA

PVP/VA Copolymer
Copovidone

CAS No.: 25086-89-9

Main Functions:	PVP K	PVPP	PVP/VA
Anti-Redeposition	X		
Dye Transfer Inhibitor	X		
Film Former			X
Tablet Binder	X		X
Superdisintegrant		X	

Product Range

Brandname	Powder Grades	Solution Grades (Preservative customizable)
PVP K Series - Polyvinylpyrrolidone – Povidone - INCI Name: PVP		
STARIND	K25P	-
STARIND	K30P	K30 30%S
STARIND	K90P	K90 20%S
STARIND		K90 25%S
PVPP - Polyvinylpolypyrrolidone - Crospovidone - Crosslinked PVP		
STARCLEAR	F	-
PVP/VA - Vinylpyrrolidone/Vinyl Acetate Copolymer - Copovidone - INCI Name: VP/VA Copolymer		
STARIND	VA64P	VA64 50%S
STARIND	-	VA73 50%S

Why Does STARIND PVP K Lead to Cleaner Laundry?

STARIND PVP K delivers cleaner laundry by preventing both dye transfer and soil redeposition through two complementary actions:

1. Dye Transfer Inhibition – via Lactam–Dye Interaction

STARIND PVP K has a lactam ring that forms hydrogen bonds with dye molecules released during washing. By binding these dyes and keeping them dissolved in the wash liquor, STARIND PVP K prevents unwanted color transfer and preserves fabric brightness.

2. Anti-Redeposition – via Colloidal Stabilization and Protective Hydration Film
STARIND PVP K adsorbs onto soil particles, forming a hydrophilic coating that keeps them suspended in the washing solution. At the same time, STARIND PVP K creates a thin, protective hydration film on fabric surfaces, which helps prevent soil from redepositing and keeps textiles cleaner and smoother.

STARIND PVP, PVP/VA and STARCLEAR PVPP Application Benefits

Available in

- Different Viscosities
- As Powder and Aqueous Solutions
- Different Concentrations
- With or Without Preservative
- Customized
- Drums and IBCs

Overall Benefits:

- Increased Supply Security
- Cost Optimization
- High Batch to Batch Consistency
- Reliable Supply
- Lean Vendor Onboarding
- Excellent Regulatory Documentation
- Transparent, Timely Communication

Applications	Products	Functions	Comments
Laundry Detergents · Powders · Liquids · Tabs	STARIND PVP K Grades	Anti-Soil Redeposition Agent Dye Transfer Inhibitor Binder	Different viscosities available as dry powders (P grades) and liquid aqueous solutions (S grades). Preservative addition can be customized. Due to the higher Tg of PVP compared to PVP/VA it remains stable and water-soluble at washing temperatures without becoming sticky.
		Dispersant Rheology Modifier	Stabilizes suspended particles (soil, enzymes, dyes) in liquid detergents. Forms clear solutions.
Tabs · Dishwasher · Laundry	STARIND PVP K Grades	Wet and Dry Binder for Tableting Powder, granules and tablet	For wet granulation usually low-viscosity STARIND K30P is used. For direct compression K90P or VA64P are preferable.
	STARCLEAR PVPP F	Superdisintegrant	Very effective even at low concentrations. Fast swelling, combining three disintegration mechanisms for rapid tablet break-up.
	STARIND PVP/VA	Binder Film Forming Polymer	STARIND VA64P is preferred for hot-melt extrusion and flexible film formation, while PVP K grades produce more brittle hygroscopic films.
Liquid Surface Cleaners · Glass Care · Dish Care	STARIND PVP K Grades	Surface Shine Enhancer	Forms highly glossy, easy-to-remove films with moderate flexibility.
	STARIND PVP/VA	Film Former Anti-spotting Gloss and Surface Protection Solubilizer for Hydrophobic Actives (Perfumes, Oils)	Improves solubility of hydrophobic additives and supports transparent, glossy and flexible film formation. Less hygroscopic than PVP. The lower Tg enables elastic, non-cracking films that remain intact at room temperature. Ideal for surface care products requiring lasting gloss, anti-spotting and flexible protective films.

2

Polymers for Stronger Tabs and Cleaner Laundry

Polymers for Stronger Tabs and Cleaner Laundry

3

Functionality-Related Characteristics

	STARIND PVP	STARIND PVP/VA	STARCLEAR PVPP
Appearance	White to off-white powder or flakes.	White or off-white powder.	White or off-white powder.
Odor	Faint characteristic odor.	Faint characteristic odor.	No smell or slightly characteristic odor.
Solubility in Water	Dissolves completely in hot and cold water.	Lower water solubility due to the hydrophobic vinyl acetate component.	Practically insoluble in water ($\leq 0.5\%$)
Solubility in Other Media	Soluble in many organic solvents, including alcohols (methanol, ethanol), and some chlorinated solvents (chloroform, methylene chloride).	Soluble in a variety of polar and non-polar solvents, including alcohols and some chlorinated compounds.	Insoluble in common organic solvents.
pH (1% susp. in water)	3.0 ~ 7.0	3.8 ~ 6.0	5.0 ~ 8.0
Glass Transition Temperature (Tg)	K30P ~ 165°C, K90P - 175°C	VA64P ~110°C	-
Film Formation	More elastic films.	Stiffer films, greater strength.	No film formation.
Hydration Absorbing	Attracts water (++)	More resistance to moisture (+).	Moisture sensitive, wicking and swelling effect.
Adhesion	Good adhesion, particularly to polar substrates (+).	Enhanced adhesion to both polar and non-polar surfaces (++)	N/A Accelerates fast disintegration of solid dosage forms.
Gloss Level	Creates a soft, natural shine film; enhances appearance of smoothness.	Provides stronger and more pronounced gloss.	N/A

Order Your Free of Charge Sample Now!

pvp-chem-agency.com/products/sample-request-form



Safe and Sustainable Polymer Chemistry

STARIND PVP, PVP/VA, and PVPP are **physiologically inert, non-toxic polymers** used in modern detergent and personal care formulations.

Polyvinylpyrrolidone (CAS 9003-39-8) is listed on the U.S. EPA Safer Chemical Ingredients List, confirming its favorable human and environmental safety profile.

Contact SSP's Global Agent – Your Service Point



CHEM AGENCY
INTERNATIONAL

PVP CHEM AGENCY INTERNATIONAL GmbH

Managing Director: Yvonne M. Johnson
Ahornweg 1
73494 Rosenberg
Germany

<https://pvp-chem-agency.com/>

We are Happy to Connect you with SSP's Local Distributor. For China, Please Contact SSP Directly.

Manufacturer:

SSP 斯泰克

Star-Tech & JRS Specialty Products Co., Ltd.

No.1, Huanan Road
Changshou District
Chongqing 401221
China

<https://pvp-chem-agency.com/about/about-ssp>

<https://chinassp.net/en/>

JV with the German Family Owned JRS Group

Disclaimer:

SSP recommends that customers independently test and evaluate their products and processes to determine the effectiveness of SSP products in their specific applications.