



Where Beautiful Things Begin...

Jarpol™ PVPs (Polyvinylpyrrolidones)

PVPs are physiologically inert molecules that can act as dye-receptive resins, film formers, adhesives, complexing agents, binders and stabilizers, and protective colloid and suspending agents. **Jarpol™ PVPs** increase the wetting and lubricating effect in vanishing creams, sun proof creams, and depilation agents and provide excellent dispersivity. They are soluble in most organic solvents and are compatible with many modifiers and plasticizers.

Jarpol™ PVP K30, Powder

PVP

As a water soluble non-ionic homopolymer of Vinylpyrrolidone, it can be characterized as a film former, but can also act as a thickener. It is suitable for water based formulations, such as hair gel, and provides a high degree of clarity. It provides a hard, glossy, and transparent film. It's lower molecular weight is the best choice where viscosity is critical in applications, such as in pump sprays.

Jarpol™ PVP K30 Solution, 30%

Great for use in products where viscosity is critical, but a strong hold is desired. The **K30 Solution** provides a firm, clear film while maintaining softness.

Jarpol™ PVP K90, Powder

PVP

It can be used in a wide range of applications, including hair care, skin care, and oral care products. It offers exceptional performance where viscosity modification and clear film forming properties are required. It's higher molecular weight gives greater setting power and stronger adhesion, which is perfect when high viscosity and strong hold are required in applications. It can be used in hair gels and mousses, liquid hair setting preparations, pumps, and sprays.

Jarpol™ PVP K90 Solution, 20%

With a higher molecular weight, It offers an even stronger hold than the K30 and also provides a tacky feel when used in hair care applications.



Jarpol™ PVP/VA Products

VP/VA Copolymer

These products form a transparent, hard, glossy, water-removable film. The viscosity and water sensitivity properties vary depending on the **PVP/ VA** ratio. They are soluble in most organic solvents and offer flexibility that is very advantageous in hair spray, hair gel, film forming and hair fixing agents, and many other cosmetic applications. They are compatible with many modifiers and plasticizers that allow greater variations of hygroscopicity and film flexibility. As non-ionic polymers, they do not need to be neutralized. These products possess excellent properties for both aerosol and non-aerosol products. **Jarpol™ PVP/VA 64** and **73** are mainly used in sprays and hair-setting lotions. Both **PVP/VA** products come in 50% solutions.

Applications:

Jarpol™ PVP/VA 64

- 50% Solution
- Film forming Agent
- Hair styling applications
- Hair sprays, mousses, hair-setting lotions
- Sculpting Gels

Jarpol™ PVP/VA 73

- 50% Solution
- Film forming Agent
- Hair styling applications
- Gels, mousses, hair-setting lotions
- Sculpting Gels
- Particularly suitable for hair sprays

