

FiberStar[®] P+

FiberStar[®] P+ is a cold-water soluble, low viscosity, non-ionic polymer for use in industrial applications. FiberStar P+ is a natural polysaccharide designed to impart enhanced functional properties including: adhesion/binding, water retention, improved rheology and viscosity. FiberStar P+ is an excellent product for binding and adhesive applications where economics is important.

FiberStar P+ is a cost-effective corn-based product with excellent binding and adhesion properties.

Application Properties

- Lubrication
- Adhesion
- Thickening
- Suspension
- Colloid Protection
- Film Formation
- Binding
- Water Retention

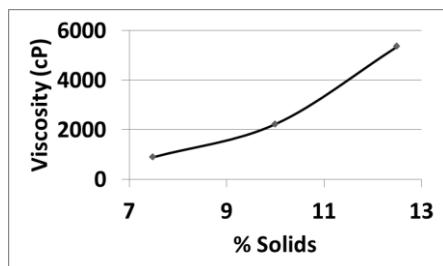
Appearance

FiberStar P+ is a free-flowing powder. FiberStar P+ is off-white in color with opaque to translucent aqueous solutions.

Hydration

FiberStar P+ hydrates quickly due to its powder form.

Effect of Solids Concentration on Viscosity



Solution Preparation

The powder form of FiberStar P+ is readily solubilized in water. To avoid lumping of polymer, preparation of aqueous solutions requires the addition of FiberStar P+ to the vortex of mechanically agitated water. Maintain for a period of about 20 minutes to ensure separation and complete hydration of individual particles. Any agglomerates that initially form will break down with normal agitation and time.

Solution Preservation

Extended storage of FiberStar P+ solutions could result in viscosity reduction due to microbial or enzymatic attack. Stored solutions should be protected by using a preservative. FiberStar P+ can be manufactured with a built-in preservative.

Storage, Handling and Safety

Because of the hygroscopic nature of FiberStar P+, it is highly recommended that the material be stored in its original package in a dry facility. Shelf life can be affected by storage conditions such as temperature, humidity and overall surroundings of the storage area. A Safety Data Sheet is available and should be consulted prior to handling or use.

Availability

FiberStar P+ is available in 50 lb multi-wall poly-lined paper bags for truckload and LTL shipments. For additional information, samples or technical assistance in using FiberStar P+ please contact 1-800-328-5037 or info@chemstar.com



Typical Analysis

FiberStar P+	
Base Starch	Potato
Form	Powder
Viscosity (cP), 10% Solids LVT, 60 RPM, #4 Spindle	500 – 1500
pH (610% Solids)	5.0 – 8.0
Moisture (%)	12 Max
Density (lb/ft ³)	25 – 40
Particle Size (% thru)	99 (-) 850 micron
Appearance	Off White
Ionic Character	Nonionic

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