

# GlucoPlus<sup>®</sup> P+3

GlucoPlus<sup>®</sup> P+3 is a cold-water soluble, low viscosity, cationic polymer for use in industrial applications. GlucoPlus P+3 is a substituted natural polysaccharide designed to impart enhanced functional properties including: solution stability, surface activity, water retention, improved rheology, and viscosity. GlucoPlus P+3 offers a unique alternative to competitive natural and synthetic water-soluble polymers

The positive charge of GlucoPlus P+3 promotes interaction with negatively charged particles. This interaction makes them particularly suited for use within the paper industry for specialty wet-end applications, mineral flocculent, and binder in vacuum forming operations, and particulate flocculent in water treatment operations

## Application Properties

- Flocculation
- Lubrication
- Binding
- Adhesion
- Thickening
- Colloid Protection
- Film Formation
- Suspension
- Wet/Green Strength
- Water Retention

## Appearance

GlucoPlus P+3 is an off-white flake. Aqueous solutions are translucent and demonstrate excellent stability

## Solution Preparation

The flake form of GlucoPlus P+3 makes it easy to disperse and solubilize in water with minimal agitation. Lumping is not an issue when mixing the flake particles. Maintain agitation for a period of about 30 minutes to ensure complete hydration of the flake particle.

The character and amount of agitation required will vary with solids concentration of the polymer and water temperature. High solids and cold water make-up may necessitate longer agitation time.

## Solution Preservation

Extended storage of GlucoPlus P+3 polymer solutions could result in viscosity reduction due to microbial or enzymatic attack. Stored solutions should be protected by using a preservative. GlucoPlus P+3 is also available with built-in preservative

## Storage, Handling and Safety

Because of the hygroscopic nature of GlucoPlus P+3, 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 from Chemstar and should be consulted prior to handling or use

## Availability

GlucoPlus P+3 is available in 30 lb multi-wall poly-lined paper bags for truckload and LTL shipments. For additional information, samples, or technical assistance regarding GlucoPlus or any other Chemstar product please contact 1-800-328-5037 or [info@chemstar.com](mailto:info@chemstar.com).



## Typical Analysis

GlucoPlus P+3	
Form	Flake
Viscosity (cps), 5% Solids LVT, 60 rpm, #2 spindle	500 min
pH (5% Solids)	5.0 – 7.5
Percent Moisture (%)	8 max
Bulk Density (lb/ft <sup>3</sup> )	20 – 24
Particle Size (% thru)	100 (-) 2000 micron
Percent Nitrogen (%)	0.3
Ionic Character	Cationic

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