

GlucoStar[®] C75

GlucoStar[®] C75 is a cold-water soluble, medium viscosity, carboxymethyl polymer for use in industrial applications. It provides fermentation and enzyme resistance without the addition of preservatives. GlucoStar C75 offers a unique alternative to competitive natural and synthetic water-soluble polymers.

The highly anionic character of GlucoStar C75 promotes flocculation of positively charged materials. GlucoStar C75 provides thermal and shear resistance. It is also an excellent candidate where binding, adhesion and thickening are desired.

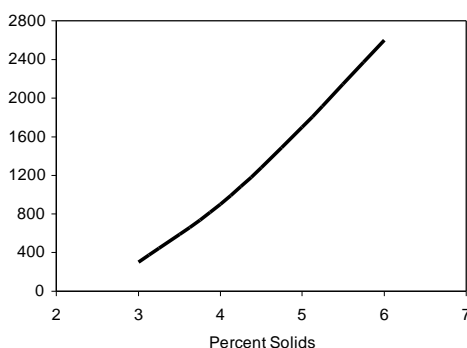
Application Properties

- Flocculation
- Lubrication
- Adhesion
- Suspension
- Fermentation Resistance
- Colloid Protection
- Film Formation
- Binding
- Water Retention
- Shear Resistance
- Thermal Stability

Appearance

GlucoStar C75 is an off- white powder. Aqueous solutions are translucent and demonstrate excellent stability.

Solids vs. Viscosity Curve



Solution Preparation

GlucoStar C75 readily solubilizes in water. Preparation of aqueous solutions requires the addition of GlucoStar C75 to the vortex of mechanically agitated water at ambient temperature. Maintain agitation 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.

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.

Hydration

GlucoStar C75 exhibits a rapid initial hydration profile. However, GlucoStar C75 requires additional mixing to fully solubilize the polymer due to its unique modification.

Solution Preservation

The chemical modification of GlucoStar C75 provides enhanced solution bio-stability. This feature provides an advantage where biocides cannot be used.

Storage, Handling and Safety

Because of the hygroscopic nature of GlucoStar C75, 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

GlucoStar C75 is available in 50 lb multi- wall poly-lined paper bags and 2,000 lb super sacks for truckload and LTL shipments. For additional information, samples or technical assistance in using GlucoStar C75 or any other Chemstar product please contact 1-800-328-5037 or info@chemstar.com



Typical Analysis

GlucoStar C75	
Viscosity (cP), 6% Solids LVT, 60 RPM, #3 Spindle	2,000 – 5,000
pH (6% Solids)	9.0 – 10.8
Moisture (%)	10 max
Bulk Density (lb/ft ³)	30 – 45
Particle Size (% thru)	100 (-) 850 micron
Ionic Character	Highly Anionic

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