

# GlucoStar<sup>®</sup> 1748N

GlucoStar<sup>®</sup> 1748N is a cold-water soluble, high viscosity polymer for use in industrial applications. This polymer is a modified, high molecular weight, natural polysaccharide designed to impart enhanced functional properties including: viscosity, rheology modification, solution stability, salt tolerance, surface activity and water retention.

The ultra-high viscosity and high solubility of GlucoStar 1748N make it particularly suited for use as a viscosifier and binder in adhesive formulations. In addition, it has excellent tack and film clarity. GlucoStar 1748N is particularly suited for use in wall-covering, outdoor advertising and paper bag adhesives.

GlucoStar 1748N is not treated with a preservative.

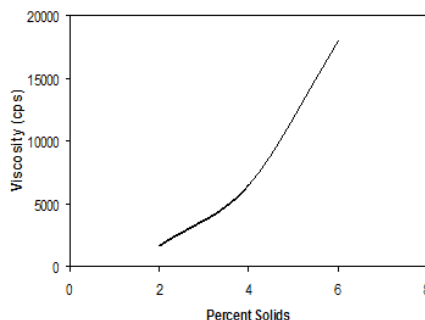
## Main Applications

- Rheology Modification
- Viscosifier
- Lubrication
- Suspension
- Colloid Protection
- Film Formation
- Binding
- Water Retention
- Adhesion

## Appearance

GlucoStar 1748N is supplied as a white flake. Aqueous solutions are translucent and demonstrate excellent stability.

## Effect of Solids Concentration on Viscosity



## Solution Preparation

GlucoStar 1748N readily solubilizes in water. The flake form of GlucoStar 1748N makes it easy to disperse in water with minimal agitation without the formation of lumps. 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

GlucoStar 1748N is not treated with a preservative. Extended storage of GlucoStar 1748N solutions could result in viscosity reduction due to microbial or enzymatic attack and should be protected by the use of a preservative.

## Storage, Handling and Safety

Because of the hygroscopic nature of GlucoStar 1748N, 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. Long-term storage may lead to hardening of the material within the bag. A Safety Data Sheet is available from Chemstar and should be consulted prior to handling or use.

## Availability

GlucoStar 1748N is available in 44 lb multi-wall poly-lined paper bags and 2,000 lb supersacks for truckload and LTL shipments. For additional information, samples, or technical assistance in using GlucoStar or any other Chemstar product please contact 1-800-328-5037 or [info@chemstar.com](mailto:info@chemstar.com).



**Typical Analysis**

<b>GlucoStar 1748N</b>	
Viscosity (cP), 4% Solids LVT, 60 RPM, #4 Spindle	5000 – 8500
pH (4% Solids)	10.5 – 11.5
Percent Moisture (%)	12 max
Bulk Density (lb/ft <sup>3</sup> )	25 – 32
Particle Size (% thru)	100 (-) 4750 micron
Ionic Character	Anionic

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