

# CORN STARCH

## INDUSTRIAL GRADE



Industrial grade corn starch is a typical cereal starch with good bonding capacity. The Corn Starch powder provides paper stiffness, increases ink receptivity and has excellent printing gloss.

HL Agro offers corn starch in the industrial grade which is widely used as a stiffening agent and a thickener in the packaging, textile, papermaking industry, and in the production of industrial adhesives.

### APPEARANCE:

Fine White Powder

### COLOR:

White to Slightly Yellowish

### ODOR:

Bland

### FUNCTION:

Adhesive,  
Thickener,  
Binder, Surface  
Sizing Agent

### LEADING CLAIMS:





# TECHNICAL ASPECTS

(HLAP's GUARANTEE)

- Moisture – 10-12.50%
- Viscosity –  $\geq 30$  sec on Red Wood Viscometer
- Sulphated ash – NMT 0.5%
- Free acidity for 100gm – NMT 40ml
- Sieve retention –  $\leq 1.50$  % on 100 Mesh
- White to slightly yellowish powder
- Protein DS –  $\leq 0.60$ %
- 4-7pH for 10% solution
- SO<sub>2</sub> –  $\leq 100$  ppm
- Extractable matter –  $\leq 0.25$  on DB
- Iron –  $\leq 40$  ppm

# APPLICATIONS

- **Adhesives:** Used in the production of adhesives, such as glue and paste.
- **Papermaking:** Enhances the bonding strength of paper as well as corrugated boxes.
- **Packaging:** Starch based adhesives bond the linerboard and medium in the corrugated boards, providing strength and durability.
- **Textile:** Acts as a sizing agent to strengthen and stiffen fabrics in the textile industry.
- **Personal care products:** Natural moisture-absorbing ingredient in personal care products, such as baby powder and dry shampoo, etc.
- **Biodegradable Plastic/Polymer:** Corn Starch packaging offers a very attractive and a relatively more cost effective replacement to plastic, thanks to its renewability, biodegradability, compostability and non-toxic properties.



## PACKAGING

50/25kg PP/Paper bags with moisture proof HMLDPE inner liner.



## STORAGE

Store indoors in dry, ambient conditions, away from damp surfaces and direct sunlight.



## SHELF LIFE

24 months from the date of manufacture, if stored correctly.

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