

Product Data Sheet

Dextrins

Description

Description	Dextrins are starch derivatives produced by heat and/or acid conversion of native starch into shorter-chain, more cold-water-soluble carbohydrate polymers. Depending on roast level, dextrins range from lighter-coloured white dextrins to darker yellow dextrins (British gum), with progressively higher cold-water solubility and adhesive tack, making them the standard binder for adhesives, textile printing pastes and briquette/charcoal manufacturing.
Applications	Adhesives – gum tape, corrugated board and envelope gum manufacturing Textile printing paste thickener Briquette and charcoal binder Foundry core binder
Grade	White/Yellow Dextrin (Grade Selection Available)
CAS No.	9004-53-9

Key Benefits

1. High cold-water solubility supporting rapid adhesive/paste preparation
2. Good adhesive tack and bonding strength across paper, board and textile substrates
3. Available across white (lighter roast) to yellow (darker roast, higher conversion) grades to suit application requirements
4. Widely accepted standard binder across adhesive, textile and briquetting industries

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Cold Water Solubility	Standard Dispersion Test	wt%	Min. 90
Reducing Sugar (Dextrose Equivalent)	Titration Method	wt%	10 – 20 (grade dependent)
Moisture	Oven-Drying Method	wt%	Max. 8.0
pH (10% Solution)	pH Meter	–	3.0 – 5.0
Colour	Visual	–	White to yellowish-tan (grade dependent)
Appearance	Visual	–	White to yellowish-tan powder

Packaging

Packaging 25 kg Kraft Paper Bags (PE-lined)
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated warehouse away from moisture
2. Keep bags sealed until point of use to prevent moisture pickup and caking
3. Stack on pallets, away from direct ground contact
4. Use appropriate PPE (dust mask, goggles) when handling – avoid dust generation

Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting cold water solubility, reducing sugar and moisture against this TDS

3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.