

Dextrin Market - Forecast from 2026 to 2031

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Abstracts

Dextrin Market is expected to grow at a 3.71% CAGR, increasing from USD 3.090 billion in 2025 to USD 3.844 billion in 2031.

Dextrins represent a group of hydrophilic polysaccharides, characterized as partially hydrolyzed starch playing roles in natural starch digestion processes within the human gastrointestinal tract. Dextrins find diverse applications contributing to manufacturing of spiral and convolute tubes, carbon paper, abrasives, and dry distemper. Their versatility extends to machine labeling of various items including tins, cartons, packages, envelopes, and corrugated boxes.

Dextrins serve as essential components in cracker production processes, utilizing their adhesive properties and contributing to explosive character. In industries including bookbinding, paper cone and tube manufacturing, carton sealing, cigarette pasting, and match-head and matchbox production, dextrins play pivotal roles. Additionally, they function as thickening and binding agents in pharmaceuticals and paper coatings, showcasing versatility across various sectors. Furthermore, they serve as stabilizing agents, particularly in explosive metal azides like Lead (II) azide.

Market Segmentation

The dextrins market segments based on chemical types, including maltodextrin, cyclodextrin, and icodextrin. Additionally, market categorization occurs by color types such as white, yellow, and British gum, reflecting diverse applications and adaptability of dextrins across different industries.

Color type segmentation divides the market into three primary segments: white, yellow, and British gum. White dextrin finds diverse food sector applications, serving as crispness enhancer, food batter component, coating agent, thickening agent for stews

and soups, and fat replacer in low-calorie food formulations. Yellow dextrin is extensively utilized in spiral and convolute tube production. Its versatile applications extend to carbon paper manufacturing, abrasives, and dry distemper, showcasing adaptability across different industrial sectors. British gums, known for high solubility, play crucial roles as carriers for active food ingredients including flavorings, spices, and colorants.

Primary Market Drivers

Food and beverages industry demand constitutes a crucial driver. Dextrin plays vital roles in the food and beverage industry, serving as versatile component utilized for thickening, sweetening, and bulking, as well as enhancing overall food product texture. Dextrin's significance in this sector relates to substantial household expenditures on food and non-alcoholic beverages.

Dextrin's applications in food and beverage sectors extend beyond conventional uses, contributing nutritional and functional benefits. Acting as soluble fiber source, dextrin finds application in arrays of food products including French fries, batter and breading, soups, sauces, confections, beverages, snacks, cereals, puddings, yogurts, and baked goods. This diverse utilization has led to surging dextrin demand, contributing to overall dextrin market expansion.

Cosmetic and pharmaceutical industry applications drive additional growth. Dextrin plays pivotal roles in both pharmaceutical and cosmetic industries, showcasing versatility and adaptability in various applications. In pharmaceutical sectors, dextrin serves as vital component functioning as binder and disintegrant in tablet and capsule formulation. As excipient, it serves as binders, fillers, stabilizers, and suspending agents, showcasing multifunctional attributes in pharmaceutical formulations. As pharmaceutical industries continue growing, dextrin demand is poised to expand correspondingly.

In cosmetic industries, dextrin finds application as versatile ingredient serving as thickener and bulking agent. Its role extends to being excipient for dry extracts and pills, contributing to emulsion preparation, dry bandages, and thickening of dye pastes and mordants used in fabric printing for vibrant and lasting colors.

Constant exploration of new applications in cosmetics and pharmaceuticals underscores dextrin's ongoing relevance and adaptability. Its biocompatibility, versatility, and relatively low cost contribute to its status as valuable addition to diverse formulation

arrays, highlighting significance in advancing innovations in these industries.

Market Constraints

Side effects related to use present concerns. Although dextrin is generally recognized as safe for consumption and extensively utilized in various food and other products, awareness of potential side effects remains essential, particularly in specific individuals or when consumed in excessive quantities. Caution is advised particularly in individuals with conditions including esophageal strictures, ulcers, stenosis, intestinal adhesions, gastrointestinal obstruction, fecal impaction, or those experiencing difficulty swallowing. However, when used with care and following appropriate guidelines, dextrin is generally considered safe, and adverse effects are not commonly reported.

Regional Market Dynamics

North America is anticipated to hold significant dextrin market share, projected to account for notable market portions. This stems from substantial overall chemical industry size and widespread dextrin applications within this sector. Dextrin, with diverse applications ranging from pyrotechnics and paper coatings to foundry and adhesives, is in high demand within this thriving chemical landscape. As result, the North American region emerges as significant player in the dextrin market.

Recent Market Developments

January 2023 witnessed Glico Nutrition showcasing its functional carbohydrate, Cluster Dextrin™ (also known as Highly Branched Cyclic Dextrin), at SupplySide West. This material emerged as optimal energy source for diverse ranges of sports activities, demonstrated through clinical studies. This event served as platform for Glico Nutrition to present clinical efficacy and suitability of its carbohydrate offering, positioning it as valuable resource for individuals engaged in various sporting endeavors.

Product Portfolio

Contemporary offerings reflect diverse application requirements. Gromotech Agro Chem Pvt Ltd. offers white dextrin tailored for diverse applications, notably in foundry industries, playing pivotal roles in textile finishing and serving as coating agents. UPI Chemicals offers dextrin in off-white to yellow powder form with multiple applications, serving as water-soluble glue in adhesives and utilized across food and beverage and pharmaceutical sectors. USA Adhesive offers Dextrin Adhesive Glue specifically for

cellulosic materials, notably paper and paperboard, manufactured through meticulous processes of cooking starch in water at precise temperatures.

Key Benefits of this Report:

Insightful Analysis: Gain detailed market insights covering major as well as emerging geographical regions, focusing on customer segments, government policies and socio-economic factors, consumer preferences, industry verticals, and other sub-segments.

Competitive Landscape: Understand the strategic maneuvers employed by key players globally to understand possible market penetration with the correct strategy.

Market Drivers & Future Trends: Explore the dynamic factors and pivotal market trends and how they will shape future market developments.

Actionable Recommendations: Utilize the insights to exercise strategic decisions to uncover new business streams and revenues in a dynamic environment.

Caters to a Wide Audience: Beneficial and cost-effective for startups, research institutions, consultants, SMEs, and large enterprises.

What do businesses use our reports for?

Industry and Market Insights, Opportunity Assessment, Product Demand Forecasting, Market Entry Strategy, Geographical Expansion, Capital Investment Decisions, Regulatory Framework & Implications, New Product Development, Competitive Intelligence

Report Coverage:

Historical data from 2021 to 2025 & forecast data from 2026 to 2031

Growth Opportunities, Challenges, Supply Chain Outlook, Regulatory Framework, and Trend Analysis

Competitive Positioning, Strategies, and Market Share Analysis

Revenue Growth and Forecast Assessment of segments and regions including countries

Company Profiling (Strategies, Products, Financial Information, and Key Developments among others).

Dextrin Market Segmentation

By Application

Foods

Adhesives And Coatings

Others

By Chemical Type

Maltodextrin

Cyclodextrin

Icodextrin

By Colour Type

White

Yellow

British Gum

By Geography

North America

United States

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

Germany

France

United Kingdom

Spain

Others

Middle East and Africa

Saudi Arabia

UAE

Others

Asia Pacific

China

India

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Indonesia

Thailand

Others

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