

# **Gum Hydrocolloid Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034**

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## **Abstracts**

The Global Gum Hydrocolloid Market reached USD 12.7 billion in 2024 and is poised to grow at a steady CAGR of 5.7% from 2025 to 2034. This growth is primarily fueled by the increasing demand for convenience and processed foods, which rely heavily on gum hydrocolloids for their stabilizing, thickening, and gelling properties. These versatile ingredients are indispensable in a wide range of food products, such as sauces, dressings, dairy items, baked goods, and plant-based alternatives. As consumer preferences shift toward ready-to-eat and shelf-stable food options, gum hydrocolloids play a critical role in improving texture, consistency, and overall product quality. Their function in enhancing the mouthfeel and prolonging the shelf life of these products makes them an essential component in modern food production. Additionally, the growing inclination toward processed and convenience foods across the globe is expected to further drive market demand.

Beyond the food and beverage industry, the applications of gum hydrocolloids have expanded into diverse sectors, including pharmaceuticals, cosmetics, and agriculture. In pharmaceuticals, these ingredients are crucial for tablet binding and encapsulation, and as stabilizers for liquid formulations. The cosmetic industry also relies on hydrocolloids for their emulsifying and stabilizing properties, particularly in lotions, creams, and shampoos. In agriculture, gum hydrocolloids are used in various formulations to improve the effectiveness of fertilizers and pesticides. This broad range of applications ensures that the demand for these hydrocolloids remains robust across industries.

In 2024, the gelatin segment generated USD 3.5 billion and continues to dominate the market. Gelatin is one of the most well-known and widely used gum hydrocolloids, primarily used for gelling, thickening, and stabilizing in food products such as candies,

marshmallows, and desserts. Its unique ability to provide texture and enhance product structure ensures its continued importance in the food industry. As consumer demand for processed foods and dietary supplements continues to rise, gelatin's application in these sectors is expected to grow.

The powdered form of gum hydrocolloids accounted for 59.4% of the total market share in 2024. Offering exceptional versatility and long shelf life, powdered gum hydrocolloids are preferred by manufacturers in food, pharmaceuticals, and cosmetics. Their easy handling, ease of integration into formulations, and stability in storage make them an ideal choice for a variety of applications. In the food industry, powdered hydrocolloids are primarily used for thickening and gelling, while in pharmaceuticals and personal care, they serve as binders, stabilizers, and emulsifiers.

The U.S. gum hydrocolloid market accounted for USD 3.6 billion in 2024. The U.S. has seen a significant shift in consumer preferences, with a growing demand for natural, clean-label products. This shift has bolstered the market for hydrocolloids derived from plant gums and seaweed, which are perceived as healthier and more sustainable alternatives to synthetic additives. As consumers become more health-conscious, the demand for these plant-based and eco-friendly ingredients is expected to continue to rise in the coming years.

## Contents

### **CHAPTER 1 METHODOLOGY & SCOPE**

- 1.1 Market scope & definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculations
- 1.4 Data sources
  - 1.4.1 Primary
  - 1.4.2 Secondary
    - 1.4.2.1 Paid sources
    - 1.4.2.2 Public sources

### **CHAPTER 2 EXECUTIVE SUMMARY**

- 2.1 Industry synopsis, 2021-2034

### **CHAPTER 3 INDUSTRY INSIGHTS**

- 3.1 Industry ecosystem analysis
  - 3.1.1 Factor affecting the value chain
  - 3.1.2 Profit margin analysis
  - 3.1.3 Disruptions
  - 3.1.4 Future outlook
  - 3.1.5 Manufacturers
  - 3.1.6 Distributors
- 3.2 Supplier landscape
- 3.3 Profit margin analysis
- 3.4 Key news & initiatives
- 3.5 Regulatory landscape
- 3.6 Impact forces
  - 3.6.1 Growth drivers
  - 3.6.2 Industry pitfalls & challenges
- 3.7 Growth potential analysis
- 3.8 Porter's analysis
- 3.9 PESTEL analysis

### **CHAPTER 4 COMPETITIVE LANDSCAPE, 2024**

- 4.1 Introduction
- 4.2 Company market share analysis
- 4.3 Competitive positioning matrix
- 4.4 Strategic outlook matrix

## **CHAPTER 5 MARKET ESTIMATES & FORECAST, BY PRODUCT TYPE, 2021-2034 (USD BILLION) (KILO TONS)**

- 5.1 Key trends
- 5.2 Gelatin
- 5.3 Xanthan gum
- 5.4 Carrageenan
- 5.5 Alginates
- 5.6 Pectin
- 5.7 Guar gum
- 5.8 Gum arabic
- 5.9 Carboxymethylcellulose (CMC)
- 5.10 Other gum hydrocolloids

## **CHAPTER 6 MARKET ESTIMATES & FORECAST, BY FORM, 2021-2034 (USD BILLION) (KILO TONS)**

- 6.1 Key trends
- 6.2 Powder
- 6.3 Gel

## **CHAPTER 7 MARKET ESTIMATES & FORECAST, BY SOURCE, 2021-2034 (USD BILLION) (KILO TONS)**

- 7.1 Key trends
- 7.2 Seaweed extracts
- 7.3 Animal extracts
- 7.4 Botanical extracts
- 7.5 Microbial extracts
- 7.6 Other sources

## **CHAPTER 8 MARKET ESTIMATES & FORECAST, BY FUNCTION, 2021-2034 (USD BILLION) (KILO TONS)**

- 8.1 Key trends
- 8.2 Gelling
- 8.3 Thickening
- 8.4 Stabilizing
- 8.5 Encapsulating
- 8.6 Whipping
- 8.7 Others

## **CHAPTER 9 MARKET ESTIMATES & FORECAST, BY APPLICATION, 2021-2034 (USD BILLION) (KILO TONS)**

- 9.1 Key trends
- 9.2 Food and beverages
- 9.3 Bakery & confectionery
- 9.4 Meat & poultry products
- 9.5 Sauces & dressings
- 9.6 Dairy products
- 9.7 Personal care & cosmetics
- 9.8 Pharmaceuticals
- 9.9 Other applications

## **CHAPTER 10 MARKET ESTIMATES & FORECAST, BY REGION, 2021-2034 (USD BILLION) (KILO TONS)**

- 10.1 Key trends
- 10.2 North America
  - 10.2.1 U.S.
  - 10.2.2 Canada
- 10.3 Europe
  - 10.3.1 UK
  - 10.3.2 Germany
  - 10.3.3 France
  - 10.3.4 Italy
  - 10.3.5 Spain
  - 10.3.6 Russia
- 10.4 Asia Pacific
  - 10.4.1 China
  - 10.4.2 India
  - 10.4.3 Japan

10.4.4 South Korea

10.4.5 Australia

10.5 Latin America

10.5.1 Brazil

10.5.2 Mexico

10.6 MEA

10.6.1 South Africa

10.6.2 Saudi Arabia

10.6.3 UAE

## **CHAPTER 11 COMPANY PROFILES**

11.1 Cargill, Inc.

11.2 Darling Ingredients Inc.

11.3 Kerry Group PLC

11.4 CP Kelco

11.5 Ingredion Incorporated

11.6 W Hydrocolloids Inc.

11.7 Archer Daniels Midland Company

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