

Ground and Precipitated Calcium Carbonate Market: Market Size, Trends and Growth Analysis [2024-2030]

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Abstracts

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Calcium Carbonate Market Trends and Forecast

The future of the global calcium carbonate (GCC and PCC) market looks good with opportunities in the packaging, building & construction, transportation, and industrial end use industries. The global GCC and PCC market is expected to reach an estimated \$36.7 billion by 2030 with a CAGR of 4.9% from 2024 to 2030. The major drivers for this market are increasing demand for plastics in the building and construction and packaging industries, growing usage of calcium carbonate in coating application as an extender for titanium dioxide, and increasing demand in food, pharmaceutical, and agriculture industries.

Lucintel forecasts that the paper segment will remain the largest application market during the forecast period supported by growth of the packaging and tissue paper market.

GCC will remain the largest segment due to the growth in plastic and coating applications.

Asia Pacific is expected to remain the largest market by value and volume and is also expected to witness the highest growth over the forecast period due to the growth in paper and plastics in the APAC region particularly in China and India.

Asia Pacific is expected to remain the largest market in the Calcium Carbonate Market

1. **United States:** Companies like Omya, Inc., Imerys Carbonates, and Minerals Technologies Inc. lead initiatives in calcium carbonate production. The US government's focus on infrastructure development drives demand for calcium carbonate in construction materials.
2. **China:** Chinese companies such as Shanghai Calcium Carbonate Factory Co., Ltd., Jiangxi BaiRui Calcium Carbonate Co., Ltd., and Guangdong Qiangda New Materials Technology Co., Ltd. are prominent players in the market. China's government initiatives to promote industrial growth and infrastructure development fuel the demand for calcium carbonate in various sectors.
3. **Germany:** Companies like Huber Engineered Materials, Schaefer Kalk GmbH & Co. KG, and Omya GmbH are significant in the market. Germany's government support for environmental sustainability drives the adoption of precipitated calcium carbonate in eco-friendly applications such as paper production and wastewater treatment.
4. **India:** Indian companies like Gulshan Polyols Ltd., Jay Minerals, and Calcium Products Pvt. Ltd. play a key role in calcium carbonate production. India's government initiatives such as "Make in India" and infrastructure development projects boost the demand for calcium carbonate in the construction and manufacturing sectors.
5. **Japan:** Companies like Maruyama Calcium Co., Ltd. and Shiraishi Kogyo Kaisha, Ltd. are active in the market. Japan's government initiatives to promote sustainable development drive the adoption of calcium carbonate in eco-friendly applications such as plastics, rubber, and pharmaceuticals.

Emerging Trends in the Calcium Carbonate Market

Emerging trends, which have a direct impact on the dynamics of the industry, include growing consumption of nano-precipitated calcium carbonate and the emergence of green products for low carbon footprint.

A total of 115 figures / charts and 106 tables are provided in this 200-page report to help in your business decisions. A sample figure with insights is shown below.

Calcium Carbonate Market by Segment

The study includes a forecast for the global calcium carbonate market by application, product type, end use industry, and region as follow:

Calcium Carbonate Market by Application [Volume (Kilotons) and \$M shipment analysis from 2018 t%li%2030]:

Paper

Plastics

Paint and Coating

Rubber

Adhesive and Sealant

Others

Calcium Carbonate Market by Product Type [Volume (Kilotons) and \$M shipment analysis from 2018 t%li%2030]:

Ground Calcium Carbonate (GCC)

Precipitated Calcium Carbonate (PCC)

Calcium Carbonate Market by End Use Industry [Volume (Kilotons) and \$M shipment analysis from 2018 t%li%2030]:

Packaging

Building and Construction

Printing

Transportation

Industrial

Consumer

Others

Calcium Carbonate Market by Region [Volume (Kilotons) and \$M shipment analysis from 2018 to 2030]:

North America

US

Canada

Mexico

Europe

Germany

Italy

Spanish

Asia Pacific

China

Japan

The Rest of the World

List of Calcium Carbonate Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies calcium carbonate companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies, reduce production costs, and expand their customer base. Some of the calcium carbonate companies profiled in this report includes.

Imerys

Mineral Technologies

Huber Engineered Materials

Omya

Nordkalk

Lhoist

Recent Developments in Calcium Carbonate Market

Rising Demand for Calcium Carbonate in Paper Industry:
The paper industry is witnessing a significant increase in the demand for ground and precipitated calcium carbonate due to its properties such as brightness, opacity, and smoothness, which enhance the quality of paper products. With the growing emphasis on sustainability and environmental regulations, paper manufacturers are increasingly turning to calcium carbonate as a cost-effective and eco-friendly filler and coating pigment. This trend is expected to drive the growth of the calcium carbonate market in the paper industry.

Expansion of Calcium Carbonate Production Capacity:
Leading calcium carbonate manufacturers are investing in expanding their production capacity to meet the

growing demand from various end-use industries. Companies are upgrading existing facilities, implementing new technologies, and exploring strategic partnerships to enhance their production capabilities and cater to the evolving needs of customers worldwide. The expansion of production capacity is aimed at addressing market demand for high-quality calcium carbonate products and supporting the growth of key application sectors such as paper, plastics, and paints & coatings.

Technological Advancements in Calcium Carbonate Processing: Manufacturers are focusing on technological advancements to improve the efficiency and sustainability of calcium carbonate production processes. Recent developments include innovations in extraction, purification, and surface modification techniques, aimed at enhancing product quality, reducing environmental impact, and lowering production costs. These technological advancements enable manufacturers to offer a diverse range of calcium carbonate products tailored to meet the specific requirements of different applications and industries.

Growing Application of Calcium Carbonate in Plastics Industry: The plastics industry is experiencing a growing demand for calcium carbonate as a filler and reinforcing agent in polymer formulations. Calcium carbonate enhances the mechanical properties, dimensional stability, and processing characteristics of plastic products while reducing material costs and environmental footprint. Manufacturers are increasingly incorporating calcium carbonate into various plastic applications, including packaging, automotive parts, construction materials, and consumer goods, driving the expansion of the calcium carbonate market in the plastics sector.

Shift towards Nano-Calcium Carbonate for High-Performance Applications: There is a growing trend towards the adoption of nano-calcium carbonate in high-

performance applications such as paints, coatings, adhesives, and sealants. Nan%li%calcium carbonate offers unique properties such as high surface area, improved dispersion, and enhanced compatibility with polymers, enabling the development of advanced materials with superior performance characteristics. Manufacturers are investing in research and development efforts t%li%explore the potential applications of nan%li%calcium carbonate and develop innovative product formulations t%li%meet the evolving needs of end-users.

Features of Calcium Carbonate Market

Market Size Estimates: GCC & PCC market size estimation in terms of value (\$M) and volume (kilotons)

Trend and Forecast Analysis: Market trends (2018-2023) and forecast (2024-2030) by various segments and regions.

Segmentation Analysis: Market size by application, product type, and end use industry.

Regional Analysis: Facial cleanser market breakdown by North America, Europe, Asia Pacific, and the Rest of the World.

Growth Opportunities: Analysis of growth opportunities in different application, product type, end use industry, and regions for the calcium carbonate market.

Strategic Analysis: This includes M&A, new product development, and competitive landscape for the calcium carbonate market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

FAQ

Q1. What is the calcium carbonate market size?

Answer: The global calcium carbonate market is expected to reach an estimated \$36.7 billion by 2030.

Q2. What is the growth forecast for calcium carbonate market?

Answer: The calcium carbonate market is expected to grow at a CAGR of 4.9% from 2024 to 2030.

Q3. What are the major drivers influencing the growth of the calcium carbonate market?

Answer: The major growth drivers for this market are increasing demand for plastics in the building and construction and packaging industries, growing usage of calcium carbonate in coating application as an extender for titanium dioxide, and increasing demand in food, pharmaceutical, and agriculture industries.

Q4. What are the major applications or end use industries for GCC and PCC?

Answer: Paper is the major application for calcium carbonate.

Q5. What are the emerging trends in calcium carbonate market?

Answer: Emerging trends, which have a direct impact on the dynamics of the industry, include growing consumption of nano-precipitated calcium carbonate and the emergence of green product for low carbon footprint.

Q6. What are the key calcium carbonate companies?

Answer: Some of the key calcium carbonate companies are as follows:

Imerys

Mineral Technologies

Huber Engineered Materials

Omya

Nordkalk

Lhoist

Q7.Which calcium carbonate product segment will be the largest in future?

Answer: Lucintel forecasts that GCC will remain the largest segment due to the growth in plastic and coating applications.

Q8: In calcium carbonate market, which region is expected to be the largest in next 5 years?

Answer:Asia Pacific is expected to remain the largest region and witness the highest growth over next 5 years

Q9. Do we receive customization in this report?

Answer:Yes, Lucintel provides 10% Customization Without any Additional Cost.

This report answers following 11 key questions

Q.1 What are some of the most promising potential, high growth opportunities for the global calcium carbonate market by application (paper, plastics, paint & coating, rubber, adhesive and sealant, and others), product (ground calcium carbonate and precipitated calcium carbonate), end use industry (packaging, building and construction, printing, transportation, industrial, consumer, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q. 2 Which segments will grow at a faster pace and why?

Q.3 Which regions will grow at a faster pace and why?

Q.4 What are the key factors affecting market dynamics? What are the drivers and challenges of the market?

Q.5 What are the business risks and threats to the market?

Q.6 What are the emerging trends in this market and the reasons behind them?

Q.7 What are the changing demands of customers in the market?

Q.8 What are the new developments in the market? Which companies are leading these developments?

Q.9 Who are the major players in this market? What strategic initiatives are being implemented by key players for business growth?

Q.10 What are some of the competitive products and processes in this area and how big of a threat do they pose for loss of market share via material or product substitution?

Q.11 What M & A activities have taken place in the last 5 years in this market?

For any questions related to calcium carbonate market or related to calcium carbonate manufacturers companies, calcium carbonate market share, calcium carbonate market analysis, calcium carbonate market size, write Lucintel analyst at email: helpdesk@lucintel.com. We will be glad to get back to you soon.

Contents

1. EXECUTIVE SUMMARY

2. MARKET BACKGROUND AND CLASSIFICATIONS

2.1: Introduction

2.2: Supply Chain

2.3: Industry Drivers and Challenges

3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2018 TO 2030

3.1: Macroeconomic Trends (2018-2023) and Forecast (2024-2030)

3.2: Global Calcium Carbonate Market Trends (2018-2023) and Forecast (2024-2030)

3.3: Global Calcium Carbonate Market by Product Type

3.3.1: Ground Calcium Carbonate

3.3.1.1: GCC Market by Application

3.3.2: Precipitated Calcium Carbonate

3.3.2.1: PCC Market by Application

3.4: Global Calcium Carbonate Market by Application

3.4.1: Paper

3.4.2: Plastics

3.4.3: Paint and Coatings

3.4.4: Rubber

3.4.5: Others

3.5: Global Calcium Carbonate Market by End Use Industry

3.5.1: Packaging

3.5.2: Construction

3.5.3: Printing

3.5.4: Transportation

3.5.5: Industrial

3.5.6: Consumer

3.5.7: Others

4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2018 TO 2030

4.1: Global Calcium Carbonate Market by Region

4.2: North American Calcium Carbonate Market Trends and Forecast

4.2.1: Market by Application: Paper, Plastic, Paint and Coating, Rubber, Adhesives and Sealants, and Others

4.2.2: Market by Product Type: GCC and PCC

4.2.3: The US Calcium Carbonate Market

4.2.4: Canadian Calcium Carbonate Market

4.2.5: Mexican Calcium Carbonate Market

4.3: European Calcium Carbonate Market Trends and Forecast

4.3.1: Market by Application: Paper, Plastic, Paint and Coating, Rubber, Adhesives and Sealants, and Others

4.3.2: Market by Product Type: GCC and PCC

4.3.3: German Calcium Carbonate Market

4.3.4: Italian Calcium Carbonate Market

4.3.5: Spanish Calcium Carbonate Market

4.4: APAC Calcium Carbonate Market Trends and Forecast

4.4.1: Market by Application: Paper, Plastic, Paint and Coating, Rubber, Adhesives and Sealants, and Others

4.4.2: Market by Product Type: GCC and PCC

4.4.3: Chinese Calcium Carbonate Market

4.4.4: Japanese Calcium Carbonate Market

4.5: ROW Calcium Carbonate Market Trends and Forecast

4.5.1: Market by Application: Paper, Plastic, Paint and Coating, Rubber, Adhesives and Sealants, and Others

4.5.2: Market by Product Type: GCC and PCC

5. COMPETITOR ANALYSIS

5.1: Product Portfolio Analysis

5.2: Market Share Analysis

5.3: Geographical Reach

5.4: Porter's Five Forces Analysis

6. COST STRUCTURE ANALYSIS

6.1: Cost of Goods Sold

6.2: Selling, General, and Administrative Expenses

6.3: Other Expenses

6.4: EBITDA Margin

7. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS

7.1: Growth Opportunity Analysis

7.1.1: Growth Opportunities for the Global Calcium Carbonate Market by Application

7.1.2: Growth Opportunities for the Global Calcium Carbonate Market by Product Type

7.1.3: Growth Opportunities for the Global Calcium Carbonate Market by End Use Industry

7.1.4: Growth Opportunities for the Global Calcium Carbonate Market by Region

7.2: Emerging Trends in the Global Calcium Carbonate Market

7.3: Strategic Analysis

7.3.1: New Product Development

7.3.2: Capacity Expansion of the Global Calcium Carbonate Market

7.3.3: Certification and Licensing

7.3.4: Technology Development

7.3.5: Mergers, Acquisitions, and Joint Ventures in the Global Calcium Carbonate Market

8. COMPANY PROFILES OF LEADING PLAYERS

8.1: Imerys

8.2: Mineral Technologies

8.3: Huber Engineered Materials

8.4: Omya

8.5: Nordkalk

8.6: Lhoist

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