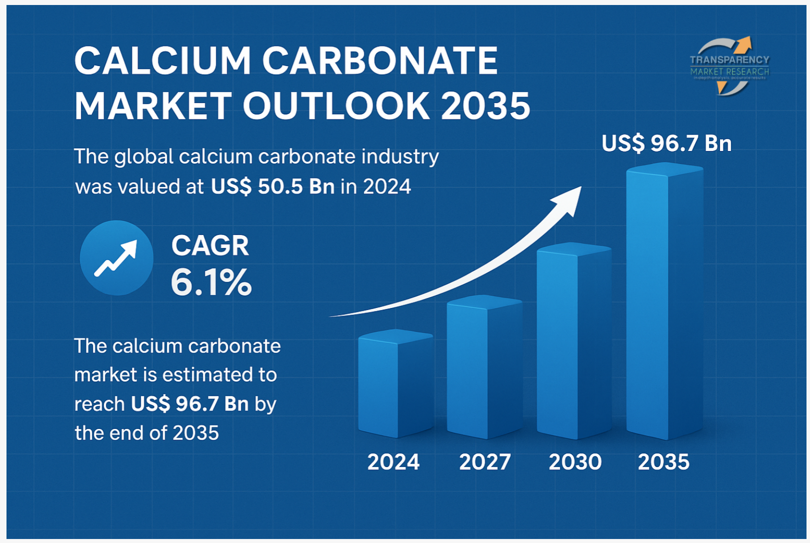
Calcium Carbonate Market Outlook Highlights Growth from USD 50.5 Billion in 2024 to USD 96.7 Billion by 2035 - TMR

Global Calcium Carbonate Market to Expand from USD 50.5 Billion in 2024 to USD 96.7 Billion by 2035 Driven by Paper and Plastic Applications - Analysis by TMR



Calcium Carbonate Market Outlook 2035

WILMINGTON, DE, UNITED STATES, September 11, 2025 / EINPresswire.com/ -- Calcium Carbonate Market Outlook 2035

The global calcium carbonate market is projected to grow steadily, fueled by its rising use in paper, plastics, paints, adhesives, and construction industries. Valued at US$ 50.5 Bn in 2024, the market is expected to expand at a CAGR of 6.1% from 2025 to 2035. By the end of 2035, it is anticipated to reach US$ 96.7 Bn, driven by increasing demand for sustainable materials and advancements in industrial applications. Growing construction activities and packaging innovations are further strengthening market growth.

> Global Calcium Carbonate Market to Achieve USD 96.7 Billion by 2035 as Demand Rises in Plastics, Paints, and Adhesives"
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Analysts' Viewpoint on the Calcium Carbonate Market

The global calcium carbonate market is maintaining strong momentum, expanding at a CAGR of 6.1%. Its widespread adoption is largely due to its role as a cost-effective, versatile industrial mineral with applications across multiple industries. Ground Calcium Carbonate (GCC) is expected to remain the dominant product type, favored for its adaptability, affordability, and ability to enhance mechanical properties and surface quality in packaging and automotive applications, while also reducing overall raw material costs.

Calcium carbonate also plays an essential role in healthcare and nutrition. With nearly one-third of women over the age of 50 affected by osteoporosis worldwide, demand for calcium carbonate in preventive health solutions is growing. It is increasingly being integrated into fortified foods, supplements, and pharmaceutical products.

Geographically, Asia Pacific leads the market with a 39% share, driven by the rapid industrial growth of China and India. Supported by its wide availability, functional benefits, and low-cost profile, calcium carbonate continues to be indispensable—serving both mature industries such as paper and construction, as well as emerging applications in healthcare, packaging, and advanced materials.

Global Calcium Carbonate Market Overview

Calcium carbonate is one of the most widely used industrial minerals, valued for its natural abundance, affordability, and versatility. It is primarily available in two forms:

- Ground Calcium Carbonate (GCC): Extracted from natural limestone or marble.
- Precipitated Calcium Carbonate (PCC): Produced through a controlled chemical process.

Its application portfolio is extensive, spanning adhesives, plastics, construction, paints and coatings, paper, and healthcare. One of its key advantages is its ability to serve as a filler and extender—allowing manufacturers to reduce raw material usage while enhancing product performance.

- Paper Industry: Calcium carbonate improves brightness, opacity, and printability. Both GCC and PCC are used, making up over 35% of global paper fillers and coatings.
- Plastics & Packaging: It strengthens materials, adds thermal stability, and improves processing efficiency, with rising demand from automotive and packaging sectors.
- Construction: Widely used in cement, concrete, paints, and coatings for durability and cost reduction.
- Healthcare & Pharmaceuticals: Employed in calcium supplements, antacids, and fortified foods to support preventive health.

With its unmatched versatility, calcium carbonate remains a critical resource across nearly every major manufacturing and consumer-focused industry, underpinning its long-term relevance in the global industrial landscape.

Analysis of Key Players in the Calcium Carbonate Market

As one of the world's largest producers of calcium carbonate, Imerys stands out as a global leader in mineral-based solutions. The company offers both Ground Calcium Carbonate (GCC) and Precipitated Calcium Carbonate (PCC), with operations spanning multiple continents. Imerys serves a diverse range of industries—including papermaking, plastics, paints & coatings, and construction—and is known for its strong global supply chain, proven reliability, and wide portfolio of specialty grades, including ultrafine and surface-treated calcium carbonate products.

Omya AG, a Swiss multinational, is another major global player specializing in calcium carbonate. With a strong footprint in GCC production, Omya caters to industries such as paper & board, polymers, paints, adhesives, food, and personal care. The company maintains a large and diversified product portfolio, supported by sustainable manufacturing processes and strategically located production facilities across Europe, Asia, and the Americas.

Other leading companies contributing to the competitive landscape include
- Imerys
- Minerals Technologies Inc.
- Omya AG
- Huber Engineered Materials
- Mississippi Lime Company
- Sibelco
- Shiraishi Kogyo Kaisha Ltd.
- OKUTAMA KOGYO CO., LTD.
- Newpark Resources Inc.
- Calcit d.o.o.
- Nordkalk Corporation
- Yuncheng Chemical Industrial CO., Ltd
- Changzhou Calcium Carbonate Co. LTD
- FUJIAN SANMU NANO CALCIUM CARBONATE CO., LTD.
- Maruo Calcium Co. Ltd.
- Other Leading Companies

Each of these players has been analyzed in the calcium carbonate market research report across parameters such as company overview, financial performance, business strategies, product portfolio, business segments, and recent strategic developments.

Key Developments in the Calcium Carbonate Market

- 2025: Mississippi Lime Company (MLC) commenced construction of a new facility in Bonne Terre, Missouri, which will house a sustainable world-class kiln scheduled for operation in 2026. This investment is set to enhance North America’s lime and carbonate value chain by improving efficiency and capacity, thereby supporting industrial, environmental, and construction markets that rely heavily on calcium carbonate inputs.

• 2024: Huber Engineered Materials (HEM) finalized a deal to acquire Jurassic Holdings Corporation, including subsidiaries such as Active Minerals International (AMI). This acquisition expands HEM's portfolio of engineered minerals, particularly in advanced formulations used alongside calcium carbonates. It also strengthens the company's global distribution network, enhances specialty carbonate grades, and supports growth in both industrial and consumer applications.

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Key Growth Drivers

1. Infrastructure Development – Growing use of calcium carbonate in cement, concrete, and building materials.
2. Paper Industry Demand – Increasing usage as a cost-effective filler and coating pigment.
3. Plastics & Polymers Growth – Enhances durability and reduces production costs in plastics.
4. Sustainability Trends – Eco-friendly applications in packaging and coatings.
5. Environmental Uses – Growing adoption in wastewater treatment and emission control.

Market Restraints & Challenges

• Volatility in Raw Material Prices – Fluctuations in limestone and energy costs impact margins.
• Environmental Concerns – Mining activities face regulatory and ecological restrictions.
• Competition from Substitutes – Alternative fillers such as kaolin may limit demand in some applications.
• Regional Dependency – Demand patterns vary significantly across developed and emerging markets.

Market Segmentation

By Type
• Ground Calcium Carbonate (GCC)
• Precipitated Calcium Carbonate (PCC)

By Application
• Paper & Pulp
• Plastics & Polymers
• Paints & Coatings
• Construction Materials
• Rubber & Adhesives
• Others

By Region

- North America
- Europe
- Asia-Pacific
- Latin America
- Middle East & Africa

Market Trends & Innovations

1. Nano-Calcium Carbonate – Rising use in plastics and coatings for enhanced strength.
2. Green Manufacturing Processes – Focus on reducing carbon footprint in production.
3. High-Purity Grades – Increasing demand in food, pharmaceuticals, and personal care.
4. Digitalization in Mining – Smart mining practices for efficient resource extraction.
5. Asia-Pacific Expansion – Rapid industrialization and construction driving growth.

Why Invest in This Report?

- Detailed market size and CAGR projections through 2035.
- Insights into emerging applications and regional opportunities.
- Competitive benchmarking of leading manufacturers.
- Identification of sustainability and innovation trends.
- Guidance on navigating regulatory and environmental challenges.

Future Outlook

The global calcium carbonate market is expected to reach US$ 96.7 Bn by 2035, with Asia-Pacific leading consumption due to infrastructure development and growing manufacturing industries.

Future trends shaping the market include:
- Sustainable and eco-friendly production processes.
- Expansion in pharmaceutical and food-grade calcium carbonate.
- Technological advancements in nanomaterials.
- Increased adoption in renewable energy and environmental applications.

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Important FAQs with Answers

Q1. What was the global market size of calcium carbonate in 2024?
A1. The industry was valued at US$ 50.5 Bn in 2024.

Q2. What is the projected market size by 2035?
A2. The market is expected to reach US$ 96.7 Bn by 2035.

Q3. What is the CAGR for 2025–2035?
A3. The industry is projected to grow at a CAGR of 6.1%.

Q4. Which industries are major end-users of calcium carbonate?
A4. Paper, plastics, construction, paints & coatings, and rubber are key sectors.

Q5. Who are the leading players in the market?
A5. Key players include Imerys, Omya, Minerals Technologies, Huber, and Carmeuse.

Q6. What innovations are shaping the calcium carbonate market?
A6. Innovations include nano-calcium carbonate, eco-friendly production methods, and high-purity food/pharma grades.

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