

# **Precipitated Calcium Carbonate Market Forecasts to 2034 – Global Analysis By Application (PVC Pipe, Profiles & Cable, Rubber, Sealant & Adhesives, Paper Industry, Paint & Coating Industry, Printing Ink, Pharmaceutical Industry, Food Industry, Cosmetics Industry and Other Applications) and by Geography**

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## **Abstracts**

According to Statistics MRC, the Global Precipitated Calcium Carbonate Market is accounted for \$2.6 billion in 2026 and is expected to reach \$4.3 billion by 2034 growing at a CAGR of 6.7% during the forecast period. Precipitated calcium carbonate, or PCC, is a widely used and adaptable chemical compound with a wide range of industrial uses. Calcium carbonate is created by precipitating it from solutions that are rich in calcium, usually found in limestone or other mineral sources. PCC is useful in a variety of industries due to its exceptional qualities, which include high purity, controlled crystalline structure, and fine particle size.

According to the American Chemical Society, Precipitated Calcium Carbonate (PCC) plays a crucial role in various industries, including paper manufacturing, rubber, plastics, and pharmaceuticals, due to its exceptional properties and versatile applications.

### **Market Dynamics:**

#### **Driver:**

Increased need for polymers and plastics

In the plastics and polymers sector, PCC is essential because it serves as a functional

filler and reinforce. The mechanical qualities of plastic materials are greatly enhanced by PCC, which is in high demand in industries like construction, automotive, and packaging. Additionally, PCC is the material of choice for manufacturers who want to maximize production costs while meeting strict quality standards because of its cost-effectiveness and capacity to improve performance.

**Restraint:**

Raw material prices volatility

A significant amount of PCC is produced using raw materials like limestone, the price of which is subject to change. The availability and price of these raw materials can be affected by economic variables, geopolitical developments, and supply chain interruptions, all of which have a direct impact on the total cost of PCC production. Furthermore, it is up to producers and end users to manage this volatility in order to guarantee steady supply and stable prices.

**Opportunity:**

Technological developments in manufacturing procedures

Opportunities to improve the productivity and sustainability of PCC manufacturing are presented by ongoing developments in production technologies. To lower the energy use and emissions linked to conventional production processes, producers can invest in cutting-edge techniques like carbon capture and utilization. Moreover, a company's competitiveness and environmental credentials can be enhanced by embracing cutting-edge technologies.

**Threat:**

Competition from substitute additives and fillers

Alternative fillers and additives, like talc, kaolin, and other calcium-based substances, compete with PCC in a variety of applications. Additionally, to preserve its market share in the face of a wide range of materials that might provide comparable qualities at competitive costs, producers must constantly innovate and highlight the special advantages of PCC.

**Covid-19 Impact:**

Precipitated calcium carbonate (PCC) supply and demand were disrupted by the COVID-19 pandemic, which had a substantial effect on the market. Building projects, the production of automobiles, and other important industries that significantly rely on PCC were hindered by the lockdown measures, limitations on industrial activity, and uncertainties in the world economy. Further taxing production capabilities were disruptions in the supply chain, difficulties in logistics, and a labor shortage.

The Pharmaceutical segment is expected to be the largest during the forecast period

In the precipitated calcium carbonate (PCC) market, the pharmaceutical industry usually has the largest share. Because of PCC's high purity and compliance with pharmaceutical standards, the pharmaceutical industry uses it extensively as an excipients and calcium supplement in a variety of drug formulations. As a binder and helper in regulating the release of active ingredients, PCC adds to the hardness of tablets. Because of its qualities that make it suitable for pharmaceutical use, PCC is favored in the healthcare industry. Moreover, as awareness of global health issues increases, so too will the need for PCC in pharmaceutical applications.

#### **Region with largest share:**

In the market for precipitated calcium carbonate (PCC), the European region is projected to hold the largest share. A strong industrial foundation, strict quality controls, and a wide range of PCC applications in industries including paper and pulp, plastics, pharmaceuticals, and construction define the European market. PCC has become more widely used as a result of the European Union's emphasis on sustainability and environmental regulations, as well as its environmentally friendly production methods and numerous uses in green initiatives.

#### **Region with highest CAGR:**

The precipitated calcium carbonate (PCC) market is expected to grow at the highest CAGR in the Asia-Pacific region. This is explained by the area's quick industrialization, rising building activity, and rising demand from a variety of industries. The PCC-dependent industries of pharmaceuticals, automobiles, and construction are all expanding significantly in nations like China and India. Additionally, the region's growing urbanization and population are increasing the need for PCC in industries like paper, coatings, and plastics.

## Key players in the market

Some of the key players in Precipitated Calcium Carbonate market include Minerals Technologies Inc, Omya AG, Imerys, Maruo Calcium Co. Ltd, J.M. Huber Corporation, Schaefer Kalk GmbH & Co KG, Huber Engineered Materials, Galaxy Corporation, Excalibar Minerals LLC and Calchem Industries Ltd.

## Key Developments:

In July 2023, Minerals Technologies Inc. announced that it has entered into an agreement with a leading global paper company to upgrade one of the Company's existing precipitated calcium carbonate (PCC) plants in the Brazil by integrating MTI's NewYield® LO PCC technology. MTI's proprietary NewYield® technology converts a waste stream from a paper mill's pulping operation into a functional filler pigment.

In May 2023, Imerys, the world's leading supplier of mineral-based specialty solutions is collaborating with TotalEnergies to install a large-scale solar power system paired with battery energy storage at its Lompoc facility in Santa Barbara County, California, as part of a long-term energy services contract. This project is in alignment with Imerys' commitment to reducing greenhouse gas emissions across its global facilities and will eliminate approximately 7,000 metric tons of CO2 emissions annually.

In June 2022, Omya, a leading global producer of industrial minerals and a worldwide distributor of specialty ingredients, has reached an agreement to acquire agricultural prills assets of MK Minerals, a privately held American specialty fertilizers producer, headquartered in Wathena, KS, serving customers in many key markets including row and specialty crops, turfgrass and home retail industry.

## Applications Covered:

PVC Pipe

Profiles & Cable

Rubber

Sealant & Adhesives

Paper Industry

Paint & Coating Industry

Printing Ink

Pharmaceutical Industry

Food Industry

Cosmetics Industry

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

## **What our report offers:**

*Precipitated Calcium Carbonate Market Forecasts to 2034 – Global Analysis By Application (PVC Pipe, Profiles &...*

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

### **Free Customization Offerings:**

All the customers of this report will be entitled to receive one of the following free customization options:

#### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

#### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

#### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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