

North America Calcium Carbonate Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

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Report description:

North America Calcium Carbonate Market was valued at USD 12.3 billion in 2024 and is forecasted to grow at a CAGR of 5.7% from 2025 to 2034. Calcium carbonate is a highly versatile compound used in various industries, such as construction, pharmaceuticals, food, and cosmetics. It serves multiple purposes, including acting as a white pigment, filler, and active ingredient in products like paints, antacids, plastics, and dietary supplements.

In North America, the construction sector, especially for cement and mortar production, plays a major role in driving demand for calcium carbonate. There is also an increasing focus on sustainable, environmentally friendly products. The expanding use of calcium carbonate in water treatment has seen significant growth in recent years. Additionally, advancements in nano-calcium carbonate are opening new possibilities for specialized applications, while the rising demand for functional foods and supplements presents growth opportunities as a nutritional additive.

In 2024, the ground calcium carbonate (GCC) segment accounted for over USD 6.4 billion of the market. GCC, a naturally occurring calcium carbonate form, is widely used across several industries, such as construction, paper, and plastics, due to its affordability and effectiveness. It serves as a filler and brightening agent in paper and plastics and contributes to the sustainability of biodegradable plastics and eco-friendly packaging solutions. Its increased use in paints, coatings, and adhesives helps enhance product durability and whiteness, aligning with the growing demand for sustainable and cost-effective alternatives in various industries.

The manufacturing sector in North America's calcium carbonate market was valued at USD 8.6 billion in 2024 and is expected to grow at a CAGR of 5.9% from 2025 to 2034. Calcium carbonate is crucial in manufacturing processes due to its versatility and cost-effectiveness. It enhances strength, thermal properties, and flexibility in plastics, rubber, paints, coatings, and adhesives. As a filler in plastics, it improves the strength and reduces production costs, while in paper, it improves brightness, opacity, and printability. Its presence in adhesives and sealants also enhances stability and viscosity.

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The paper and pulp segment in the North America calcium carbonate market was valued at USD 3.2 billion in 2024 and is projected to grow at a CAGR of 5.4% from 2025 to 2034. Calcium carbonate plays a key role in paper production, serving as both a filler and coating agent to improve quality. As a filler, it boosts paper brightness, opacity, and smoothness, while its use in coated papers results in a superior finish, better ink absorption, and improved print quality. It also enhances the bulk and stiffness of paper products, contributing to their durability.

The U.S. market for calcium carbonate accounted for USD 8.7 billion in 2024 and is expected to grow at a 5.7% CAGR over the forecast period. The demand for calcium carbonate in the U.S. is driven by its wide application across industries like construction, plastics, paper, and pharmaceuticals. The construction sector, in particular, benefits from its use in cement and concrete production. Additionally, the rising preference for sustainable packaging is boosting the demand for calcium carbonate in eco-friendly solutions, further accelerating market growth.

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