Titanium Dioxide Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031)

> **Industry:** Electronic Chemicals & Catalysts (Chemicals & Materials)
> **Source:** https://www.mordorintelligence.com/industry-reports/titanium-dioxide-market
> **Scraped Date:** 2026-09-17

Executive Market Summary

Market Metric	Details
Base Market Size	USD 135 million
Projected Forecast (2031)	USD 135 million
Growth Rate (CAGR)	4.04 %
Largest Market Region	N/A
Fastest-Growing Region	N/A

Market Visualizations & Infographics

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![Major players in Titanium Dioxide industry](images/chart_2.png)

![Titanium Dioxide Market (2025 - 2030)](images/chart_3.png)

![Titanium Dioxide Market: Market Share by Grade, 2025](images/chart_4.png)

![Titanium Dioxide Market: Market Share by End-user Industry, 2025](images/chart_5.png)

![Titanium Dioxide Market CAGR (%), Growth Rate by Region](images/chart_6.png)

![Titanium Dioxide Market - Market Concentration](images/chart_7.png)

![footer background image](images/chart_10.png)

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![ESOMAR](images/chart_17.png)

![GPTW](images/chart_19.png)
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Comprehensive Research Analysis

Overview Points List Flex 49 Share Feature End

Market Overview

Study Period | 2020 - 2031 |
Market Volume (2026) | 374.71 kilotons |
Market Volume (2031) | 456.66 kilotons |
Growth Rate (2026 - 2031) | 4.04 % |
Fastest Growing Market | Asia Pacific |
Largest Market | Asia Pacific |
Market Concentration | High |
Major Players*Disclaimer: Major Players sorted in no particular order

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Market Overview

Titanium Dioxide Market Analysis by Mordor IntelligenceThe Titanium Dioxide market size is expected to grow from 360.16 kilotons in 2025 to 374.71 kilotons in 2026 and is forecast to reach 456.66 kilotons by 2031 at 4.04% CAGR over 2026-2031. Rising demand from construction, packaging, automotive plastics, and cool-roof coatings offsets regulatory headwinds, especially Europe's Category 2 carcinogen labeling and anti-dumping duties on Chinese material. Asia-Pacific, anchored by China's supply base and India's localization push, is advancing at a 4.92% CAGR. Manufacturers are balancing cost pressures from volatile ilmenite and rutile feedstock with technology upgrades in the chloride route. Process optimization by players such as Chemours is boosting capacity by 15% without major capital outlays, while vertical integration by Tronox and others mitigates raw-material volatility. Regulatory divergence between the EU and other regions is spurring differentiated product portfolios and creating scope for regional arbitrage.

Key Report Takeaways

* By grade, rutile led with 77.60% of the titanium dioxide market share in 2025; anatase is growing fastest at a 4.32% CAGR through 2031.
* By process, the sulfate route accounted for 64.30% of the titanium dioxide market size in 2025, but chloride processing is expanding quickest at 4.53% CAGR.
* By application, paints and coatings captured 51.40% of the titanium dioxide market size in 2025, while plastics are the fastest-rising segment at 4.32% CAGR.
* By end-user industry, construction held 37.30% revenue share in 2025; packaging is projected to post the highest 4.44% CAGR to 2031.
* By geography, Asia-Pacific dominated with a 34.70% share of the titanium dioxide market in 2025 and remains the quickest-growing region at 4.78% CAGR.

Key Market Trends

Global Titanium Dioxide Market Trends and InsightsDrivers Impact Analysis*

Drivers	(~) % Impact on CAGR Forecast	Geographic Relevance	Impact Timeline
Waterborne architectural-coating uptake	+1.2%	Asia-Pacific, Middle East	Medium term (2-4 years)
Lightweight high-gloss automotive plastics	+0.7%	Europe, North America	Medium term (2-4 years)
Laminated e-commerce paperboard packaging	+0.9%	Global, focus on Asia-Pacific and North America	Short term (≤ 2 years)
UV-resistant cool-roof coatings	+0.6%	Middle East, Southern Europe, North Africa	Medium term (2-4 years)
Localization of chloride-route TiO_2 capacity in India	+0.5%	India, with an impact on global supply chains	Long term (≥5 yrs)

Source: Mordor Intelligence |

Competitive Landscape

Competitive Landscape

The titanium dioxide market exhibits high concentration. Chemours leverages proprietary chloride technology and continuous improvement programs to extract an extra 15% capacity from existing lines, sustaining a cost-leadership edge. Venator strengthens its specialty position through hydrophobic grades tailored for high-temperature polymer processing. Regional players in India and Southeast Asia are entering via sulfate brownfield conversions, banking on domestic demand but facing stricter effluent norms.

Titanium Dioxide Industry Leaders* Kronos Worldwide, Inc.

* LB Group

* The Chemours Company

* Tronox Holdings Plc

* Venator Materials PLC

* *Disclaimer: Major Players sorted in no particular order

Scope Methodology P Space

For this study, the market covers titanium dioxide pigment consumed across end-use applications where TiO2 is used mainly for opacity, whiteness, and UV performance, and it is reported as demand in volume terms.

Scope exclusions: Excludes mining and upstream titanium feedstocks (such as ilmenite and rutile ore) and excludes downstream finished products where TiO2 is only an embedded ingredient.

Segmentation Container

* By Grade* Rutile
* Anatase

* By Process* Chloride
* Sulfate

* By Application* Paints and Coatings
* Plastics
* Paper and Pulp
* Cosmetics
* Other Applications (Leather, Textiles, Rubber)

* By End-user Industry* Construction
* Automotive and Transportation
* Packaging
* Consumer Goods
* Other End-user Industries

* By Geography* Asia-Pacific* China
* India
* Japan
* South Korea
* ASEAN
* Rest of Asia-Pacific

* North America* United States
* Canada
* Mexico

* Europe* Germany
* United Kingdom
* France
* Italy
* Nordics
* Rest of Europe

* South America* Brazil
* Argentina
* Rest of South America

* Middle-East and Africa* Saudi Arabia
* United Arab Emirates
* South Africa
* Egypt
* Rest of Middle-East and Africa

Frequently Asked Questions

What is the current titanium dioxide market size and its growth outlook?

The titanium dioxide market size is estimated at 374.71 kilotons in 2026 and is projected to grow to 456.66 kilotons by 2031 at a 4.04% CAGR.

Which region leads the titanium dioxide market?

Asia-Pacific holds 34.70% of global demand and exhibits the highest 4.78% CAGR, supported by industrialization and expanding chloride-route capacity.

Why is the chloride process gaining share over the sulfate process?

Chloride technology yields higher-purity rutile pigment with less waste and lower energy per unit, leading to a 4.53% CAGR versus sulfate's slower expansion.

How does EU carcinogen labeling affect titanium dioxide demand?

Mandatory cancer warnings on TiO_2 powders raise formulation and packaging costs, tempering short-term demand growth in Europe and forcing portfolio adjustments.

Which application will drive the fastest volume growth through 2031?

Plastics is expected to outpace other sectors at 4.32% CAGR as automotive, packaging and consumer durable producers intensify the use of TiO_2 for UV stability and aesthetics.