

Global Cerium-Activated Lithium Silicate Glass Scintillator Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Cerium-Activated Lithium Silicate Glass Scintillator market size is expected to reach \$ 40.34 million by 2032, rising at a market growth of 3.9% CAGR during the forecast period (2026-2032).

Cerium-activated lithium silicate glass scintillators are inorganic scintillator materials incorporating Ce³⁺ luminescent centers into a lithium silicate glass matrix. Excited by X-rays/ γ -rays or neutrons, they produce visible light output and are characterized by their ability to be processed into large sizes, good uniformity, and fast response, making them suitable for radiation detection and imaging.

Upstream: High-purity SiO₂, Li₂CO₃/Li₂O raw materials, cerium sources (CeO₂/CeF₃, etc.), clarifying/fluxing additives, high-purity crucibles and melting equipment, atmosphere and purification consumables. Downstream: Nuclear medicine PET/CT and security imaging, industrial non-destructive testing, environmental radiation monitoring, neutron detection, and scientific detector system integration.

In 2025, the global market price for cerium-activated lithium silicate glass scintillators was US\$93,600/kg, with sales of approximately 320 kg and global production capacity of 340 kg, resulting in an industry profit margin of 25-28%.

This report studies the global Cerium-Activated Lithium Silicate Glass Scintillator production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Cerium-Activated Lithium Silicate Glass Scintillator and provides market size (US\$ million) and

Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Cerium-Activated Lithium Silicate Glass Scintillator that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Cerium-Activated Lithium Silicate Glass Scintillator total production and demand, 2021-2032, (kg)

Global Cerium-Activated Lithium Silicate Glass Scintillator total production value, 2021-2032, (USD Million)

Global Cerium-Activated Lithium Silicate Glass Scintillator production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (kg), (based on production site)

Global Cerium-Activated Lithium Silicate Glass Scintillator consumption by region & country, CAGR, 2021-2032 & (kg)

U.S. VS China: Cerium-Activated Lithium Silicate Glass Scintillator domestic production, consumption, key domestic manufacturers and share

Global Cerium-Activated Lithium Silicate Glass Scintillator production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (kg)

Global Cerium-Activated Lithium Silicate Glass Scintillator production by Type, production, value, CAGR, 2021-2032, (USD Million) & (kg)

Global Cerium-Activated Lithium Silicate Glass Scintillator production by Application, production, value, CAGR, 2021-2032, (USD Million) & (kg)

This report profiles key players in the global Cerium-Activated Lithium Silicate Glass Scintillator market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Nitto Boseki (Nittobo), Nan Ya Plastics Corporation, NAN YA Glass Fabrics, Taiwan Glass Industry Corporation, China Jushi, Taishan Fiberglass, Chongqing Polycomp International Corp., Sichuan Fiberglass Group, Saint-Gobain Vetrotex, PFG Fiber Glass Corporation, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Cerium-Activated Lithium Silicate Glass Scintillator market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (kg) and average price (US\$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Cerium-Activated Lithium Silicate Glass Scintillator Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Cerium-Activated Lithium Silicate Glass Scintillator Market, Segmentation by Type:

Low Ce Doping

Medium Ce Doping

High Ce Doping

Global Cerium-Activated Lithium Silicate Glass Scintillator Market, Segmentation by Surface Finish Grade:

Optical Polishing

Semi-Polished

Unpolished

Global Cerium-Activated Lithium Silicate Glass Scintillator Market, Segmentation by Neutrons:

Thermal Neutrons

Slow Neutrons

Global Cerium-Activated Lithium Silicate Glass Scintillator Market, Segmentation by Application:

Medical Testing

Security Inspection

Industrial Non-Destructive Testing

Other

Companies Profiled:

Nitto Boseki (Nittobo)

Nan Ya Plastics Corporation

NAN YA Glass Fabrics

Taiwan Glass Industry Corporation

China Jushi

Taishan Fiberglass

Chongqing Polycomp International Corp.

Sichuan Fiberglass Group

Saint-Gobain Vetrotex

PFG Fiber Glass Corporation

Key Questions Answered:

1. How big is the global Cerium-Activated Lithium Silicate Glass Scintillator market?
2. What is the demand of the global Cerium-Activated Lithium Silicate Glass Scintillator market?
3. What is the year over year growth of the global Cerium-Activated Lithium Silicate Glass Scintillator market?
4. What is the production and production value of the global Cerium-Activated Lithium Silicate Glass Scintillator market?
5. Who are the key producers in the global Cerium-Activated Lithium Silicate Glass Scintillator market?
6. What are the growth factors driving the market demand?

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