

# Global Sodium Metaphosphate Glass Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Sodium Metaphosphate Glass market size was valued at US\$ 301 million in 2025 and is forecast to a readjusted size of US\$ 467 million by 2032 with a CAGR of 6.4% during review period.

Sodium Metaphosphate Glass ( $\text{NaPO}_3$  glass) is an amorphous phosphate glass composed primarily of sodium metaphosphate chains, produced by melting and rapidly cooling sodium phosphate compounds. It is characterized by high solubility, good film-forming ability, ion-exchange capability, and chemical reactivity, making it useful in water treatment, detergents, specialty ceramics, dental materials, and controlled-release formulations. The supply chain begins upstream with raw materials such as phosphoric acid, sodium carbonate or sodium hydroxide, and phosphate minerals (phosphate rock). These inputs are processed through neutralization and polymerization reactions to form sodium metaphosphate, which is then melted at high temperatures (typically 700–1000 °C) and rapidly quenched to produce metaphosphate glass flakes, powders, or granules. Midstream processing includes glass grinding, particle-size classification, and blending for different formulations. Downstream, the material is supplied to industries such as water treatment (sequestrants and scale inhibitors), detergents, ceramics and refractories, dental and biomedical materials, coatings, and specialty chemical formulations where its glassy phosphate structure provides controlled dissolution and functional ion release. In 2025, global Sodium Metaphosphate Glass output was about 35,000 tons with 50,000 tons of capacity, average prices of USD 9,500 – 17,000 per ton, and gross margins around 31%.

This report is a detailed and comprehensive analysis for global Sodium Metaphosphate Glass market. Both quantitative and qualitative analyses are presented by

manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Sodium Metaphosphate Glass market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Sodium Metaphosphate Glass market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Sodium Metaphosphate Glass market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2021-2032

Global Sodium Metaphosphate Glass market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2021-2026

### **The Primary Objectives in This Report Are:**

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Sodium Metaphosphate Glass
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global Sodium Metaphosphate Glass market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include SCHOTT (Germany), Corning (USA), Technical Glass Products (USA), Ohara (Japan), AGC Group (Japan), Hikari Glass (Japan), Hoya Corporation (Japan), Sumita Optical Glass (Japan), Nippon Electric

Glass (Japan), Guangming Optoelectronic Materials (China), etc.

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

## **Market Segmentation**

Sodium Metaphosphate Glass market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Pure Sodium Metaphosphate Glass

Modified Sodium Metaphosphate Glass

### Market segment by Physical Form

Glass Flake

Glass Powder

Glass Granular

### Market segment by Application

Photonic

Medical Device

Energy Storage

Aerospace & Defense

Others

## Major players covered

SCHOTT (Germany)

Corning (USA)

Technical Glass Products (USA)

Ohara (Japan)

AGC Group (Japan)

Hikari Glass (Japan)

Hoya Corporation (Japan)

Sumita Optical Glass (Japan)

Nippon Electric Glass (Japan)

Guangming Optoelectronic Materials (China)

## Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

**The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Sodium Metaphosphate Glass product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Sodium Metaphosphate Glass, with price, sales quantity, revenue, and global market share of Sodium Metaphosphate Glass from 2021 to 2026.

Chapter 3, the Sodium Metaphosphate Glass competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Sodium Metaphosphate Glass breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Sodium Metaphosphate Glass market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Sodium Metaphosphate Glass.

Chapter 14 and 15, to describe Sodium Metaphosphate Glass sales channel, distributors, customers, research findings and conclusion.

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