

Global Sealing Glass Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Sealing Glass market size was valued at USD 340.6 million in 2023 and is forecast to a readjusted size of USD 454.6 million by 2030 with a CAGR of 4.2% during review period.

To manufacture hermetic and highly insulating electrical seals between different materials such as metal or ceramics, the use of sealing glasses is wide spread in the electronics industry. Sealing glasses typically have a processing temperature of 800–1000°C. Sealing glasses mostly belong to the borosilicate and aluminosilicate glass families. To manufacture reliable hermetic seals, the correct choice of coefficient of thermal expansion (CTE) is a key factor. The applied glass composition depends on the materials which should be joined, the required temperature profile as well as their CTE. For matched seals, the CTE of the glass is matched as closely as possible to those of the sealing partners. In case of compression seals, a well-defined mismatch of the CTE is used intentionally to compress the sealing materials onto each other. Solder glasses, also referred to as frit glasses, are special glasses with a particularly low softening point (below 550°C). They are used to join glass to other glasses, ceramics, or metals without thermally damaging the materials to be joined. To ensure stress-free sealing, the coefficient of thermal expansion (CTE) needs to be closely matched to the sealing partners.

Global Sealing Glass key players include Schott AG, Elan Technology, AGC, Nippon Electric Glass, Johnson Matthey, etc. Global top five manufacturers hold a share about 80%. Asia-Pacific is the largest market, with a share about 45%, followed by Europe and North America, both with a share about 25 percent. In terms of product, Low Temperature Type is the largest segment, with a share about 60%. And in terms of application, the largest application is Electronics and Semiconductors, followed by

Battery, Home Appliances, etc.

The Global Info Research report includes an overview of the development of the Sealing Glass industry chain, the market status of Battery (High Temperature Sealing Glass, Low Temperature Sealing Glass), Electronics and Semiconductors (High Temperature Sealing Glass, Low Temperature Sealing Glass), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Sealing Glass.

Regionally, the report analyzes the Sealing Glass markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Sealing Glass market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Sealing Glass market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Sealing Glass industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Ton), revenue generated, and market share of different by Type (e.g., High Temperature Sealing Glass, Low Temperature Sealing Glass).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Sealing Glass market.

Regional Analysis: The report involves examining the Sealing Glass market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future

projections and forecasts for the Sealing Glass market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Sealing Glass:

Company Analysis: Report covers individual Sealing Glass manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Sealing Glass. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Battery, Electronics and Semiconductors).

Technology Analysis: Report covers specific technologies relevant to Sealing Glass. It assesses the current state, advancements, and potential future developments in Sealing Glass areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Sealing Glass market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Sealing Glass market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

High Temperature Sealing Glass

Low Temperature Sealing Glass

Market segment by Application

Battery

Electronics and Semiconductors

Home Appliances

Others

Major players covered

Schott AG

Elan Technology

AGC

Nippon Electric Glass

Johnson Matthey

Corning

Fusite (Emerson)

3M

Mo-Sci

Shenzhen SAM

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 Sealing Glass product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Sealing Glass, with price, sales, revenue and global market share of Sealing Glass from 2019 to 2024.

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

Chapter 4, the Sealing Glass breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and Sealing Glass market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Sealing Glass.

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

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