

Advanced Glass Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

Market Overview:

The global advanced glass market size reached US\$ 69.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 97.7 Billion by 2028, exhibiting a growth rate (CAGR) of 5.2% during 2023-2028.

Advanced glass is a superior grade of glass manufactured by combining various components, including soda ash, pure silica (SiO₂), fused quartz, natural gas, and sodium carbonate (Na₂CO₃). Unlike conventional glass, it undergoes several specific chemical and mechanical procedures that enhance its strength and durability for several applications. Apart from this, advanced glass has a high-performance index that protects from ultraviolet (UV) radiation, improves soundproofing characteristics, and provides security and resistance against acid erosion. Based on these properties, advanced glass finds extensive applications in screen protectors for multiple consumer electronics, flat panel displays, lenses, and windscreens. At present, it is commercially available in coated, toughened, laminated, and ceramic glass types.

Advanced Glass Market Trends:

With the signification expansion in construction activities, there has been increasing demand for effective value-added renovation materials, such as advanced glass, across various commercial and residential complexes, which is primarily driving the market growth. This can be further attributed to the ongoing investments in several infrastructural projects and the rising consumer awareness regarding the multiple benefits associated with the product. In line with this, the extensive utilization of

advanced glass by original equipment manufacturers (OEMs) and automobile companies to compose easy-to-install vehicle windows is acting as another growth-inducing factor. The glass provides optimal comfort to the driver and passenger by inhibiting the heat release, further minimizing air conditioning load and improving fuel efficiency. Additionally, rapid technological advancements in the manufacturing process and the introduction of varying product types, such as smart, thin, safe crystal, nano canal, and self-cleaning glass, are contributing to the market growth. Other factors, such as extensive utilization of advanced glass in multiple consumer electronics, including laptops, desktops, and smartphones, and strategic collaborations amongst key players to enhance product performance and efficacy, are creating a positive outlook for the market.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global advanced glass market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on product type, function and end use industry.

Breakup by Product Type:

Coated Glass

Laminated Glass

Toughened Glass

Ceramic Glass

Breakup by Function:

Safety and Security

Solar Control

Optics and Lighting

High Performance

Breakup by End Use Industry:

Building and Construction

Aerospace and Defense

Automotive

Electronics

Sports and Leisure

Optical

Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AGC Inc., Compagnie de Saint-Gobain S.A., Corning Incorporated, Fuyao Glass Industry Group Co. Ltd., Gentex Corporation, Koch Industries Inc., Nippon Sheet Glass Co. Ltd., Schott AG, Sisecam (Türkiye Is Bankasi A.S.), Tyneside Safety Glass and Xinyi Glass Holdings Limited.

Key Questions Answered in This Report:

How has the global advanced glass market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global advanced glass market?

What are the key regional markets?

What is the breakup of the market based on the product type?

What is the breakup of the market based on the function?

What is the breakup of the market based on the end use industry?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global advanced glass market and who are the key players?

What is the degree of competition in the industry?

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