

Flexible Glass Market Report by Application (Displays, Sensors, Photovoltaic Cell, and Others), End Use Industry (Electronics, Automotive, Energy, and Others), and Region 2025-2033

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Report description:

The global flexible glass market size reached USD 1.8 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 2.9 Billion by 2033, exhibiting a growth rate (CAGR) of 5.14% during 2025-2033.

Flexible glass refers to an ultra-thin glass substrate that can bend multiple times without breaking. It exhibits similar properties to that of a rigid glass, such as high strength, temperature stability, durability, rigidity and scratch resistance. Rolled glass is one of the commonly used flexible glass, which is widely used in the manufacturing of consumer electronics, such as smartphones, lightings and digital displays. Flexible glass is also used to produce automobile windowpanes, portable electronics, solar panels and construction interiors to minimize their weight, increase the aesthetic appeal and improve overall durability.

Flexible Glass Market Trends:

Significant growth in the consumer electronics industry across the globe represents one of the key factors driving the growth of the market. Flexible glass is extensively used in the display screens of smartphones, laptops, curved monitors, televisions and tablets for superior elasticity, flexibility, scratch resistance and enhanced aesthetic appeal. In line with this, there is an increasing consumer preference for wearable and portable devices in gaming, entertainment, sports and health and fitness applications, thereby favoring the market growth. Furthermore, the widespread adoption of flexible glass to manufacture automobile and solar panel components is also driving the market growth. Additionally, various product innovations, such as the development of lightweight and roll-on glasses, are acting as other growth-inducing factors. Product manufacturers are using novel plastic and metal substrates, including polyethylene terephthalate (PET), to manufacture cost-effective flexible glass. Other factors, including an increasing emphasis on glass material recycling, along with extensive research and development (R&D) activities, are anticipated to drive the market further.

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Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global flexible glass market report, along with forecasts at the global, regional and country levels from 2025-2033. Our report has categorized the market based on application and end use industry.

Breakup by Application:

- Displays
- Sensors
- Photovoltaic Cell
- Others

Breakup by End Use Industry:

- Electronics
- Automotive
- Energy
- 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:

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The report has also analysed the competitive landscape of the market with some of the key players being Abris Technologies, AGC Inc., Corning Incorporated, Dupont Displays Inc., Kent Displays Inc., LG Display Co. Ltd. (LG Corporation), LISEC Holding GmbH, Materion Corporation, Nippon Electric Glass Co. Ltd., Schott AG (Carl-Zeiss-Stiftung) and Universal Display Corporation.

Key Questions Answered in This Report

1. What is the size of the global flexible glass market?
2. What is the expected growth rate of the global flexible glass market?
3. What are the key factors driving the global flexible glass market?
4. What has been the impact of COVID-19 on the global flexible glass market?
5. What is the breakup of the global flexible glass market based on the application?
6. What are the key regions in the global flexible glass market?
7. Who are the key companies/players in the global flexible glass market?"

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