

Electrochromic Glass Market - Forecasts from 2017 to 2022

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Abstracts

Electrochromic Glass Market is projected to witness a compound annual growth rate of 15.20% to reach a total market size of US\$2.009 billion by 2022, from US\$0.990 billion in 2017. Electrochromic Glass is a smart glass that changes its properties when voltage as stimuli is provided, as per the requirement. It is also an innovative and modern building glass that can be used to create partitions, windows or skylights. It allows users to control the amount of heat or light that passes through the glass, giving them the ability to regulate temperatures or create privacy. Electrochromic glass can be tinted, colored, clear, or opaque and has heat modulation capacity and light transmission according to the environment. These glasses can be used in corporate and educational buildings, residential, hospitals, and hotels among others. Increasing demand from the luxury automotive manufacturers such as Ferrari and others and rising inclination towards the green building are some of the key factors for the growth of the market. Moreover, growing need for regulating the solar radiation through the windows is further fuelling the demand for electrochromic glass. Rising R&D activities, technological advancement in the development of electrochromic coating films and increased need of energy efficient products are creating new opportunities for the expansion of the market for electrochromic glass. However, the slower response rate from the large sized electrochromic glass and lack of awareness about the benefits of electrochromic glass, particularly in emerging economies, are the challenges for the market growth.

Research Methodology

Firstly, the report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentation which has been covered as part of the report.

Market Dynamics

Next, the section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of electrochromic glasses. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

Segmentation

Thirdly, Electrochromic Glass Market has been segmented on the basis of Materials, Products, and Applications. By materials, the market is segmented as Nano crystal, Polymer, Viologen, Reflective Hydride and Transition Metal Oxide (TMO). By products, Electrochromic glass market has been segmented into windows, mirrors, displays and others. Under end user segment, residential, automotive, marine, healthcare, aerospace among others. Important regions for vendors in terms of market size has been covered through Americas, Europe, Middle East and Asia Pacific.

Market Players

Finally, competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry players are Polytron Technologies, Inc, View Inc, Schott AG, Heliotrope Technologies, Inc, US e-Chromics Technologies, Inc along with others.

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