

Polycarbonate Market Size, Share & Trends Analysis Report By Application (Automotive & Transportation, Construction, Packaging, Consumer Goods, Others), By Region, And Segment Forecasts, 2022 - 2030

<https://marketpublishers.com/r/P765D5054FAEN.html>

Date: May 2022

Pages: 90

Price: US\$ 5,950.00 (Single User License)

ID: P765D5054FAEN

Abstracts

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Polycarbonate Market Growth & Trends

The global polycarbonate market size is expected to reach USD 35.4 billion by 2030, according to a new report by Grand View Research, Inc. The industry is projected to advance at a CAGR of 5.6% from 2022 to 2030. Regulatory policies are encouraging automotive OEMs to utilize plastics as a means of reducing vehicular weight & improving fuel efficiency. This is anticipated to play a prominent role in driving market growth.

Polycarbonate is a completely recyclable polymer and is therefore favored as a substitute for PVC, particularly in medical devices. In comparison, PC resins offer greater tensile strength & flexural modulus, meaning that they can be easily processed and even blended with other resins such as styrene copolymers and PBT. In the recent past, regulations aimed at reducing plastic wastage highlighted the importance of recycling. PC resins being completely recyclable are expected to benefit from such regulations, and in turn, ease up global supply constraints.

The electrical & electronics segment remained the dominant application area, accounting for more than 24.0% share of the overall consumption in 2021. In the electronics sector, polycarbonate is widely used for producing power housings, connectors, household appliances, and battery boxes. On the other hand, the resin's

optical clarity has led to its increasing usage in headlamps, face shields, laminates, and windshields in the automotive and transportation sector.

Polycarbonate Market Report Highlights

In terms of revenue, the construction application segment accounted for a prominent share of more than 20.0% in the market in 2021, and is further expected to witness substantial growth during the forecast period

Asia Pacific offers tremendous opportunities for manufacturers, as resin requirements from automotive and construction industries are expected to rise significantly, as a result of rising investments in passenger car production and public infrastructure

China emerged as the leading consumer in the Asia Pacific and accounted for more than 61.0% of the regional revenue in 2021

Against the backdrop of slowing GDP growth, China offers opportunities in the construction sector. New housing starts and resuming civil projects as a result of monetary policy restructuring and liquidity easing will be the primary demand driving factors

Diversifying the operational presence remains a key factor for producers. Establishing commercial supply agreements with end-users such as automotive OEMs and electronics manufacturers remains crucial for a stable consumer base

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