

# Polycarbonate Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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## Abstracts

### Market Overview:

The global polycarbonate market size reached US\$ 10.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 13.9 Billion by 2028, exhibiting a growth rate (CAGR) of 5.8% during 2023-2028.

Polycarbonate is a polyester commonly used in plastic lenses of eyewear, medical devices, automotive components, protective gear, greenhouses, compact disc (CD), digital versatile disc (DVD), Blu-ray, and exterior lighting fixtures. It offers heat resistance and can be combined with flame retardant materials without significant material degradation. It also provides durability, thermal insulation, and light transmission properties. It is lightweight, easy to install, and available in multiple colors, sizes, and shapes, as compared to other polymers.

Polycarbonate is used to protect against the shattering and scratching of electronic products like computers, electrical chargers, fax machines, pagers, connectors, and battery boxes. This, in confluence with the increasing sales of electronics, represents one of the key factors bolstering the market growth. In addition, it is employed in construction materials as it offers protection from ultraviolet (UV) rays. This, in confluence with rising construction activities in industrial areas, is contributing to the market growth. Apart from this, it finds extensive application in automotive components, including lighting, headlamp lenses, interior cladding, dashboards, bumpers, and body panels. This, coupled with the rising need for passenger and driver safety equipment, is strengthening the market growth. Furthermore, polycarbonate is incorporated into medical devices to diagnose and treat various chronic ailments. This, along with the growing prevalence of chronic diseases and significant improvements in the healthcare

infrastructure, is driving the market. Besides this, extensive research and development (R&D) activities to develop high-performance plastics and increasing utilization of polycarbonate in the packaging of baby bottles, furniture, water dispensers, garden equipment, and sporting products 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 polycarbonate 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 and application.

#### Breakup by Product Type:

Sheets and Films

Fibers

Blends

Tubes

Others

Sheets and films dominate the market as they are durable, lightweight, transparent, and have excellent ink adhesion.

#### Breakup by Application:

Automotive

Electrical and Electronics

Construction, Sports and Recreational

Optical Media

Appliances and Housewares

Packaging

Medical and Ophthalmic

Others

Polycarbonate is widely employed in electrical and electronics as it is a good electrical insulator and offers heat-resistance and flame-retardant properties.

## Imports and Exports:

Import Trends

Import Breakup by Country

Export Trends

Export Breakup by Country

## 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

The Asia Pacific holds the majority of the global polycarbonate market share due to rising industrialization in the region.

Competitive Landscape:

The competitive landscape of the market has been analyzed in the report, along with the detailed profiles of the major players operating in the industry. Some of these players are CHIMEI Corporation, Covestro AG, Formosa Chemicals and Fibre Corporation, Idemitsu Kosan Co., Ltd., LG Chem, LOTTE Chemical Corporation, Mitsubishi Engineering Plastics Corporation, Saudi Basic Industries Corporation (SABIC), Teijin Limited, and Trinseo PLC.

Key Questions Answered in This Report:

- What is the expected growth rate of the global polycarbonate market?
- What has been the impact of COVID-19 on the global polycarbonate market?
- What are the key factors driving the global polycarbonate market?
- What is the breakup of the global polycarbonate market based on the application?
- What are the key regions in the global polycarbonate market?
- Who are the key players/companies in the global polycarbonate market?

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