

Global Polycarbonate Polyester Blend Market By Resin (PC-PBT, PC-ABS, PC-ASA, Others), By Grade (Injection, Extrusion, General Purpose, Others), By Flow Rate (High Flow, Medium Flow, Low Flow), By End-Use (Automotive, Consumer Durables, Medical, Utilities, Optical Media, Others), By Region, Competition Forecast and Opportunities, 2027

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Report description:

Global polycarbonate polyester blend market is anticipated to grow with an impressive CAGR during the forecast years due to extended applications of the material in various packaging of the products in end use industries. The application of the polycarbonate polyester blend in the automotive industry to reduce the weight of the automotives and reduce the plastic usage further drives the growth of the global polycarbonate polyester blend market in the upcoming five years.

Polycarbonates are formed with the cluster of thermoplastic polymers that contain carbonate groups in their basic chemical structure. Polyester is a category of polymers that contain the ester functional group in every repeat unit of their main chain. As a specific material, it most commonly refers to a type called polyethylene terephthalate (PET). The conjugation of the materials provide various properties to the manufactured good such as moisture resistance, good heat absorption, and chemical as well as electrical resistance. The material also has oxidative and thermal stability and thus can be used to produce goods in demand for such properties like electronic devices, automotive bodies, etc. The manufacturing process is completely eco-friendly and recyclable.

Expanding Demand from Automotive Industry

Surge in the demand for personal and commercial vehicles drives the growth of the global polycarbonate polyester blend market in the upcoming five years. The demand for making the automotives light weight and heightened need for eco-friendly production of the automotive exterior bodies further aid to the growth of the global polycarbonate polyester blend market in the next five years. Growing demand for the production of the exteriors with recyclable material like polycarbonate polyester bend also

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guarantees precaution against fire. The material allows significant safety in case of sudden combustion and gives chance to the passenger to escape.

Electrical Appliance Demand Facilitates Market Growth

Surge in the demand and thus the sales of the electrical appliances considerably substantiates the growth of the global polycarbonate polyester blend market in the upcoming five years. Innovative product launches in the electrical industry such as switching relays and connectors, sensor parts and lights, LCD and LED sections, smartphones, and computers further fuels the growth of the global polycarbonate polyester blend market in the future five years.

Moreover, the increase in the production and commercialization of bio-based polycarbonates would also add value to the future growth of the market. Polycarbonate sheets are highly demanded by the construction industry. These are also utilized in the production of hardware gadgets and optical equipment. It is highly demanded by the automotive industry owing to its lightweight. Furthermore, this material fulfills the benchmark set by various authorities regarding quality and safety control. It provides complete heat resistance and is a good material for electrical insulation. Owing to its lightweight and shatter-resistant characteristics that makes it a perfect blend for the housing material, production of cell phones & computers, etc.

Market Segmentation

The global polycarbonate polyester blend market segmentation is based on resin, grade, flow rate, end use, regional distribution, and competitive landscape. Based on resin, the market is further segmented into PC-PBT, PC-ABS, PC-ASA, and others. By grade, the market is fragmented into injection, extrusion, general purpose, and others. Based on flow rate, the market is also differentiated into high flow, medium flow, and low flow. By end-use, the market is bifurcated into automotive, consumer durables, medical, utilities, optical media, and others. The market analysis also studies the regional segmentation, divided among Asia-Pacific region, North American region, European & CIS region, South American region, and Middle East & African region.

Company Profile

Sabic, Covestro, Ineos Group, Lotte Chemical Corporation, Bhansali Engineering Polymers Ltd., Mitsubishi Chemicals, LG Chem Ltd., Polkemi, Duromer Products, Entec Polymers, are enlisted in a partial list of major market players of the global polycarbonate polyester blend market.

Report Scope:

In this report, global polycarbonate polyester blend market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

- Polycarbonate Polyester Blend Market, By Resin:

o PC-PBT

o PC-ABS

o PC-ASA

o Others

- Polycarbonate Polyester Blend Market, By Grade:

o Injection

o Extrusion

o General Purpose

o Others

- Polycarbonate Polyester Blend Market, By Flow Rate:

o High Flow

o Medium Flow

o Low Flow

- Polycarbonate Polyester Blend Market, By End-Use:

o Automotive

o Consumer Durables

o Medical

o Utilities

o Optical Media

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o Others

- Polycarbonate polyester blend Market, By Region:

o North America

- United States

- Mexico

- Canada

o Asia-Pacific

- China

- India

- Japan

- Australia

- South Korea

- Indonesia

- Vietnam

o Europe & CIS

- Germany

- France

- United Kingdom

- Italy

- Russia

o South America

- Brazil

- Argentina

- Colombia

o Middle East & Africa

- South Africa

- Saudi Arabia

- UAE

- Egypt

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global polycarbonate polyester blend market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

- Detailed analysis and profiling of additional market players (up to five).

Table of Contents:

1. Product Overview

2. Research Methodology

3. Impact of COVID-19 on Global Polycarbonate Polyester Blend Market

4. Executive Summary

5. Voice of Customer

5.1. Preferences of brands for Using Polycarbonate Polyester Blend

5.2. Reasons for Using Polycarbonate Polyester Blend

5.3. Preferred Point of Purchase

6. Global Polycarbonate Polyester Blend Demand-Supply Analysis, 2017-2027F

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- 7. Global Polycarbonate Polyester Blend Market Outlook
 - 7.1. Market Size & Forecast
 - 7.1.1. By Value & Volume
 - 7.2. Market Share & Forecast
 - 7.2.1. By Resin (PC-PBT, PC-ABS, PC-ASA, Others)
 - 7.2.2. By Grade (Injection, Extrusion, General Purpose, Others)
 - 7.2.3. By Flow Rate (High Flow, Medium Flow, Low Flow)
 - 7.2.4. By End-Use (Automotive, Consumer Durables, Medical, Utilities, Optical Media Others)
 - 7.2.5. By Company (2021)
 - 7.2.6. By Region
 - 7.3. Product Market Map
- 8. North America Polycarbonate Polyester Blend Market Outlook
 - 8.1. Market Size & Forecast
 - 8.1.1. By Value & Volume
 - 8.2. Market Share & Forecast
 - 8.2.1. By Grade
 - 8.2.2. By End-Use
 - 8.2.3. By Country
 - 8.3. Pricing Analysis
 - 8.4. North America: Country Analysis
 - 8.4.1. United States Polycarbonate Polyester Blend Market Outlook
 - 8.4.1.1. Market Size & Forecast
 - 8.4.1.1.1. By Value & Volume
 - 8.4.1.2. Market Share & Forecast
 - 8.4.1.2.1. By Grade
 - 8.4.1.2.2. By End-Use
 - 8.4.2. Mexico Polycarbonate Polyester Blend Market Outlook
 - 8.4.2.1. Market Size & Forecast
 - 8.4.2.1.1. By Value & Volume
 - 8.4.2.2. Market Share & Forecast
 - 8.4.2.2.1. By Grade
 - 8.4.2.2.2. By End-Use
 - 8.4.3. Canada Polycarbonate Polyester Blend Market Outlook
 - 8.4.3.1. Market Size & Forecast
 - 8.4.3.1.1. By Value & Volume
 - 8.4.3.2. Market Share & Forecast
 - 8.4.3.2.1. By Grade
 - 8.4.3.2.2. By End-Use
- 9. Europe Polycarbonate Polyester Blend Market Outlook
 - 9.1. Market Size & Forecast
 - 9.1.1. By Value & Volume
 - 9.2. Market Share & Forecast
 - 9.2.1. By Grade
 - 9.2.2. By Resin
 - 9.2.3. By Flow Rate
 - 9.2.4. By End-Use
 - 9.2.5. By Country

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- 9.3. Pricing Analysis
- 9.4. Europe: Country Analysis
 - 9.4.1. France Polycarbonate Polyester Blend Market Outlook
 - 9.4.1.1. Market Size & Forecast
 - 9.4.1.1.1. By Value & Volume
 - 9.4.1.2. Market Share & Forecast
 - 9.4.1.2.1. By Grade
 - 9.4.1.2.2. By End-Use
 - 9.4.2. Germany Polycarbonate Polyester Blend Market Outlook
 - 9.4.2.1. Market Size & Forecast
 - 9.4.2.1.1. By Value & Volume
 - 9.4.2.2. Market Share & Forecast
 - 9.4.2.2.1. By Grade
 - 9.4.2.2.2. By End-Use
 - 9.4.3. United Kingdom Polycarbonate Polyester Blend Market Outlook
 - 9.4.3.1. Market Size & Forecast
 - 9.4.3.1.1. By Value & Volume
 - 9.4.3.2. Market Share & Forecast
 - 9.4.3.2.1. By Grade
 - 9.4.3.2.2. By End-Use
 - 9.4.4. Italy Polycarbonate Polyester Blend Market Outlook
 - 9.4.4.1. Market Size & Forecast
 - 9.4.4.1.1. By Value & Volume
 - 9.4.4.2. Market Share & Forecast
 - 9.4.4.2.1. By Grade
 - 9.4.4.2.2. By End-Use
 - 9.4.5. Russia Polycarbonate Polyester Blend Market Outlook
 - 9.4.5.1. Market Size & Forecast
 - 9.4.5.1.1. By Value & Volume
 - 9.4.5.2. Market Share & Forecast
 - 9.4.5.2.1. By Grade
 - 9.4.5.2.2. By End-Use
- 10. Asia-Pacific Polycarbonate Polyester Blend Market Outlook
 - 10.1. Market Size & Forecast
 - 10.1.1. By Value & Volume
 - 10.2. Market Share & Forecast
 - 10.2.1. By Grade
 - 10.2.2. By Resin
 - 10.2.3. By Flow Rate
 - 10.2.4. By End-Use
 - 10.2.5. By Country
 - 10.3. Pricing Analysis
 - 10.4. Asia-Pacific: Country Analysis
 - 10.4.1. China Polycarbonate Polyester Blend Market Outlook
 - 10.4.1.1. Market Size & Forecast
 - 10.4.1.1.1. By Value & Volume
 - 10.4.1.2. Market Share & Forecast

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- 10.4.1.2.1. By Grade
- 10.4.1.2.2. By End-Use
- 10.4.1.3. Pricing Analysis
- 10.4.2. India Polycarbonate Polyester Blend Market Outlook
 - 10.4.2.1. Market Size & Forecast
 - 10.4.2.1.1. By Value & Volume
 - 10.4.2.2. Market Share & Forecast
 - 10.4.2.2.1. By Grade
 - 10.4.2.2.2. By End-Use
 - 10.4.2.3. Pricing Analysis
- 10.4.3. South Korea Polycarbonate Polyester Blend Market Outlook
 - 10.4.3.1. Market Size & Forecast
 - 10.4.3.1.1. By Value & Volume
 - 10.4.3.2. Market Share & Forecast
 - 10.4.3.2.1. By Grade
 - 10.4.3.2.2. By End-Use
 - 10.4.3.3. Pricing Analysis
- 10.4.4. Japan Polycarbonate Polyester Blend Market Outlook
 - 10.4.4.1. Market Size & Forecast
 - 10.4.4.1.1. By Value & Volume
 - 10.4.4.2. Market Share & Forecast
 - 10.4.4.2.1. By Grade
 - 10.4.4.2.2. By End-Use
- 10.4.5. Australia Polycarbonate Polyester Blend Market Outlook
 - 10.4.5.1. Market Size & Forecast
 - 10.4.5.1.1. By Value & Volume
 - 10.4.5.2. Market Share & Forecast
 - 10.4.5.2.1. By Grade
 - 10.4.5.2.2. By End-Use
- 10.4.6. Indonesia Polycarbonate Polyester Blend Market Outlook
 - 10.4.6.1. Market Size & Forecast
 - 10.4.6.1.1. By Value & Volume
 - 10.4.6.2. Market Share & Forecast
 - 10.4.6.2.1. By Grade
 - 10.4.6.2.2. By End-Use
- 10.4.7. Vietnam Polycarbonate Polyester Blend Market Outlook
 - 10.4.7.1. Market Size & Forecast
 - 10.4.7.1.1. By Value & Volume
 - 10.4.7.2. Market Share & Forecast
 - 10.4.7.2.1. By Grade
 - 10.4.7.2.2. By End-Use
- 11. South America Polycarbonate Polyester Blend Market Outlook
 - 11.1. Market Size & Forecast
 - 11.1.1. By Value & Volume
 - 11.2. Market Share & Forecast
 - 11.2.1. By Grade
 - 11.2.2. By Resin

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- 11.2.3. By Flow Rate
- 11.2.4. By End-Use
- 11.2.5. By Country
- 11.3. Pricing Analysis
- 11.4. South America: Country Analysis
 - 11.4.1. Brazil Polycarbonate Polyester Blend Market Outlook
 - 11.4.1.1. Market Size & Forecast
 - 11.4.1.1.1. By Value & Volume
 - 11.4.1.2. Market Share & Forecast
 - 11.4.1.2.1. By Grade
 - 11.4.1.2.2. By End-Use
 - 11.4.2. Argentina Polycarbonate Polyester Blend Market Outlook
 - 11.4.2.1. Market Size & Forecast
 - 11.4.2.1.1. By Value & Volume
 - 11.4.2.2. Market Share & Forecast
 - 11.4.2.2.1. By Grade
 - 11.4.2.2.2. By End-Use
 - 11.4.3. Colombia Polycarbonate Polyester Blend Market Outlook
 - 11.4.3.1. Market Size & Forecast
 - 11.4.3.1.1. By Value & Volume
 - 11.4.3.2. Market Share & Forecast
 - 11.4.3.2.1. By Grade
 - 11.4.3.2.2. By End-Use
- 12. Middle East and Africa Polycarbonate Polyester Blend Market Outlook
 - 12.1. Market Size & Forecast
 - 12.1.1. By Value & Volume
 - 12.2. Market Share & Forecast
 - 12.2.1. By Grade
 - 12.2.2. By Resin
 - 12.2.3. By Flow Rate
 - 12.2.4. By End-Use
 - 12.2.5. By Country
 - 12.3. Pricing Analysis
 - 12.4. MEA: Country Analysis
 - 12.4.1. South Africa Polycarbonate Polyester Blend Market Outlook
 - 12.4.1.1. Market Size & Forecast
 - 12.4.1.1.1. By Value & Volume
 - 12.4.1.2. Market Share & Forecast
 - 12.4.1.2.1. By Grade
 - 12.4.1.2.2. By End-Use
 - 12.4.2. Saudi Arabia Polycarbonate Polyester Blend Market Outlook
 - 12.4.2.1. Market Size & Forecast
 - 12.4.2.1.1. By Value & Volume
 - 12.4.2.2. Market Share & Forecast
 - 12.4.2.2.1. By Grade
 - 12.4.2.2.2. By End-Use
 - 12.4.3. UAE Polycarbonate Polyester Blend Market Outlook

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- 12.4.3.1.□Market Size & Forecast
 - 12.4.3.1.1.□By Value & Volume
 - 12.4.3.2.□Market Share & Forecast
 - 12.4.3.2.1.□By Grade
 - 12.4.3.2.2.□By End-Use
 - 12.4.4.□Egypt Polycarbonate Polyester Blend Market Outlook
 - 12.4.4.1.□Market Size & Forecast
 - 12.4.4.1.1.□By Value & Volume
 - 12.4.4.2.□Market Share & Forecast
 - 12.4.4.2.1.□By Grade
 - 12.4.4.2.2.□By End-Use
 - 13.□Market Dynamics
 - 13.1.□Drivers
 - 13.2.□Challenges
 - 14.□Market Trends & Developments
 - 15.□Competitive Landscape
 - 15.1.□Sabic
 - 15.2.□Covestro
 - 15.3.□Ineos Group
 - 15.4.□Lotte Chemical Corporation
 - 15.5.□Bhansali Engineering Polymers Ltd
 - 15.6.□Mitsubishi Chemicals
 - 15.7.□LG Chem Ltd
 - 15.8.□Polkemi
 - 15.9.□Duromer Products
 - 15.10.□Entec Polymers
 - 16.□Strategic Recommendations
- (Note: The companies list can be customized based on the client requirements.)

Global Polycarbonate Polyester Blend Market By Resin (PC-PBT, PC-ABS, PC-ASA, Others), By Grade (Injection, Extrusion, General Purpose, Others), By Flow Rate (High Flow, Medium Flow, Low Flow), By End-Use (Automotive, Consumer Durables, Medical, Utilities, Optical Media, Others), By Region, Competition Forecast and Opportunities, 2027

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