

# **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**

**This report can be delivered to the clients within 8 Business Days**

### **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

## Contents

### **CHAPTER 1. METHODOLOGY AND SCOPE**

- 1.1. Research Methodology
- 1.2. Research Scope And Assumptions
- 1.3. List Of Data Sources
- 1.4. List Of Abbreviations

### **CHAPTER 2. EXECUTIVE SUMMARY**

### **CHAPTER 3. MARKET SNAPSHOT**

### **CHAPTER 4. MARKET VARIABLES, TRENDS & SCOPE**

- 4.1. Market Segmentation
- 4.2. Penetration & Growth Prospect Mapping 2019 - 2030 (USD Million)
- 4.3. Polycarbonate Market - Value Chain Analysis
- 4.4. Production Trend Analysis
- 4.5. Key Regulations
- 4.6. Polycarbonate Market Dynamics
  - 4.6.1. Market Driver Analysis
    - 4.6.1.1. Growth Of Key End-Use Industries
      - 4.6.1.1.1. Automotive & Transportation
      - 4.6.1.1.2. Electrical & Electronics
      - 4.6.1.1.3. Construction
    - 4.6.1.2. Development Of Bio-Based Polymers
  - 4.6.2. Market Restraint Analysis
    - 4.6.2.1. Volatile Raw Material Prices
- 4.7. Industry Analysis - Porter's Five Forces Analysis
  - 4.7.1. New Market Avenues
- 4.8. Polycarbonate Market - PESTEL Analysis

### **CHAPTER 5. MARKET CATEGORIZATION 1: APPLICATION ESTIMATES & TREND ANALYSIS**

- 5.1. Application Market Introduction, 2021 & 2030
- 5.2. Automotive & Transportation
  - 5.2.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

- 5.2.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)
- 5.3. Electrical & Electronics
  - 5.3.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 5.3.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)
- 5.4. Construction
  - 5.4.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 5.4.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)
- 5.5. Packaging
  - 5.5.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 5.5.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)
- 5.6. Consumer Goods
  - 5.6.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 5.6.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)
- 5.7. Optical Media
  - 5.7.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 5.7.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)
- 5.8. Medical Devices
  - 5.8.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 5.8.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)
- 5.9. Others
  - 5.9.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 5.9.2. Market Estimates & Forecast, By Region 2019 - 2030 (USD Million)

## **CHAPTER 6. MARKET CATEGORIZATION 2: REGIONAL ESTIMATES & TREND ANALYSIS**

- 6.1. Regional Market Introduction, 2021 & 2030
- 6.2. North America
  - 6.2.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 6.2.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)
  - 6.2.3. U.S.
    - 6.2.3.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
    - 6.2.3.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)
  - 6.2.4. Canada
    - 6.2.4.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
    - 6.2.4.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)
- 6.3. Europe
  - 6.3.1. Market Estimates & Forecast 2019 - 2030 (USD Million)
  - 6.3.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.3.3. France

6.3.3.1 Market Estimates & Forecast 2019 - 2030 (USD Million)

6.3.3.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.3.4. Germany

6.3.4.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.3.4.2. Market Estimates & Forecast, By Application, 2019 - 2030 (USD Million)

### 6.3.5 Italy

6.3.5.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.3.5.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.3.6. Russia

6.3.6.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.3.6.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.3.7. Spain

6.3.7.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.3.7.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

## 6.4. Asia Pacific

6.4.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.4.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.4.3. China

6.4.3.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.4.3.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.4.4. India

6.4.4.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.4.4.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.4.5. Japan

6.4.5.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.4.5.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.4.6. South Korea

6.4.6.1. Market Estimates & Forecast, 2019 - 2030 (USD Million)

6.4.6.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.4.7. Taiwan

6.4.7.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.4.7.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

## 6.5. Central & South America

6.5.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.5.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

### 6.5.3. Brazil

6.5.3.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.5.3.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

#### 6.5.4. Mexico

6.5.4.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.5.4.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

#### 6.6. Middle East & Africa (MEA)

6.6.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.6.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

##### 6.6.3. Saudi Arabia

6.6.3.1. Market Estimates & Forecast 2019 - 2030 (USD Million)

6.6.3.2. Market Estimates & Forecast, By Application 2019 - 2030 (USD Million)

## **CHAPTER 7. TRADE DATA**

### 7.1. Polycarbonate Trade Overview

7.2. Polycarbonate Imports, 2012 - 2015 (USD Million)

7.3. Polycarbonate Exports, 2012 - 2015 (USD Million)

7.4. Top Importers, 2015 (USD Million)

7.5. Top Exporters, 2015 (USD Million)

## **CHAPTER 8. COMPETITIVE LANDSCAPE**

### 8.1. Market Share Analysis

8.2. Polycarbonate Company Heat Map Analysis

8.3. Vendor Landscape

8.4. Competitive Environment

8.5. Strategy Framework

## **CHAPTER 9 COMPANY PROFILES**

### 9.1. Covestro

9.1.1. Company Overview

9.1.2. Financial Performance

9.1.3. Industries And Services Catered

9.1.4. Product Benchmarking

9.1.5. Strategic Initiatives

### 9.2. SABIC

9.2.1. Company Overview

9.2.2. Financial Performance

9.2.3. Industries And Services Catered

9.2.4. Product Benchmarking

- 9.2.5. Strategic Initiatives
- 9.3. Lotte Chem
  - 9.3.1. Company Overview
  - 9.3.2. Financial Performance
  - 9.3.3. Industries And Services Catered
  - 9.3.4. Product Benchmarking
- 9.4. Teijin Industries
  - 9.4.1. Company Overview
  - 9.4.2. Financial Performance
  - 9.4.3. Industries And Services Catered
  - 9.4.4. Product Benchmarking
  - 9.4.5. Strategic Initiatives
- 9.5. Mitsubishi Engineering Plastics Corp.
  - 9.5.1. Company Overview
  - 9.5.2. Financial Performance
  - 9.5.3. Industries And Services Catered
  - 9.5.4. Product Benchmarking
- 9.6. Trinseo
  - 9.6.1. Company Overview
  - 9.6.2. Financial Performance
  - 9.6.3. Industries And Services Catered
  - 9.6.4. Product Benchmarking
- 9.7. Idemitsu Kosan Co. Ltd.
  - 9.7.1. Company Overview
  - 9.7.2. Financial Performance
  - 9.7.3. Industries And Services Catered
  - 9.7.4. Product Benchmarking
  - 9.7.5. Strategic Initiatives
- 9.8. Lone Star Chemical
  - 9.8.1. Company Overview
  - 9.8.2. Financial Performance
  - 9.8.3. Industries And Services Catered
  - 9.8.4. Product Benchmarking
- 9.9. Chi Mei Corporation
  - 9.9.1. Company Overview
  - 9.9.2. Financial Performance
  - 9.9.3. Industries And Services Catered
  - 9.9.4. Product Benchmarking
  - 9.9.5. Strategic Initiatives



#### 9.10. Entec Polymers

9.10.1. Company Overview

9.10.2. Financial Performance

9.10.3. Industries And Services Catered

9.10.4. Product Benchmarking

9.10.5. Strategic Initiatives

#### 9.11. RTP Company

9.11.1. Company Overview

9.11.2. Financial Performance

9.11.3. Industries And Services Catered

9.11.4. Product Benchmarking

9.11.5. Strategic Initiatives

#### 9.12. LG Chemicals

9.12.1. Company Overview

9.12.2. Financial Performance

9.12.3. Industries And Services Catered

9.12.4. Product Benchmarking

9.12.5. Strategic Initiatives



## List Of Tables

### LIST OF TABLES

Table 1 Polycarbonate - Key market driver impact

Table 2 Polycarbonate - Key market restraints impact

Table 3 Polycarbonate market estimates & forecast in automotive & transportation 2019 - 2030 (Kilo Tons) (USD Million)

Table 4 Polycarbonate market volume in automotive & transportation, by region 2019 - 2030 (Kilo Tons)

Table 5 Polycarbonate market revenue in automotive & transportation, by region 2019 - 2030 (USD Million)

Table 6 Polycarbonate market estimates & forecast in electrical & electronics 2019 - 2030 (Kilo Tons) (USD Million)

Table 7 Polycarbonate market volume in electrical & electronics, by region 2019 - 2030 (Kilo Tons)

Table 8 Polycarbonate market revenue in electrical & electronics, by region 2019 - 2030 (USD Million)

Table 9 Polycarbonate market estimates & forecast in construction 2019 - 2030 (Kilo Tons) (USD Million)

Table 10 Polycarbonate market volume in construction, by region 2019 - 2030 (Kilo Tons)

Table 11 Polycarbonate market revenue in construction, by region 2019 - 2030 (USD Million)

Table 12 Polycarbonate market estimates & forecast in packaging 2019 - 2030 (Kilo Tons) (USD Million)

Table 13 Polycarbonate market volume in packaging, by region 2019 - 2030 (Kilo Tons)

Table 14 Polycarbonate market revenue in packaging, by region 2019 - 2030 (USD Million)

Table 15 Polycarbonate market estimates & forecast in consumer goods 2019 - 2030 (Kilo Tons) (USD Million)

Table 16 Polycarbonate market volume in consumer goods, by region 2019 - 2030 (Kilo Tons)

Table 17 Polycarbonate market revenue in consumer goods, by region 2019 - 2030 (USD Million)

Table 18 Polycarbonate market estimates & forecast in optical media 2019 - 2030 (Kilo Tons) (USD Million)

Table 19 Polycarbonate market volume in optical media, by region 2019 - 2030 (Kilo Tons)

Table 20 Polycarbonate market revenue in optical media, by region 2019 - 2030 (USD Million)

Table 21 Polycarbonate market estimates & forecast in medical devices 2019 - 2030 (Kilo Tons) (USD Million)

Table 22 Polycarbonate market volume in medical devices, by region 2019 - 2030 (Kilo Tons)

Table 23 Polycarbonate market revenue in medical devices, by region 2019 - 2030 (USD Million)

Table 24 Polycarbonate market estimates & forecast in other applications 2019 - 2030 (Kilo Tons) (USD Million)

Table 25 Polycarbonate market volume in other applications, by region 2019 - 2030 (Kilo Tons)

Table 26 Polycarbonate market revenue in other applications, by region 2019 - 2030 (USD Million)

Table 27 North America polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 28 North America polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 29 North America polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 30 U.S. polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 31 U.S. polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 32 U.S. polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 33 Canada polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 34 Canada polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 35 Canada polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 36 Europe polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 37 Europe polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 38 Europe polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 39 France polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 40 France polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 41 France polycarbonate market revenue by application, 2019 - 2030 (USD Million)

Table 42 Germany polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons)  
(USD Million)

Table 43 Germany polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 44 Germany polycarbonate market revenue by application 2019 - 2030 (USD  
Million)

Table 45 Italy polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD  
Million)

Table 46 Italy polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 47 Italy polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 48 Russia polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons)  
(USD Million)

Table 49 Russia polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 50 Russia polycarbonate market revenue by application 2019 - 2030 (USD  
Million)

Table 51 Spain polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons)  
(USD Million)

Table 52 Spain polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 53 Spain polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 54 Asia Pacific polycarbonate market estimates & forecast 2019 - 2030 (Kilo  
Tons) (USD Million)

Table 55 Asia Pacific polycarbonate market volume by application 2019 - 2030 (Kilo  
Tons)

Table 56 Asia Pacific polycarbonate market revenue by application 2019 - 2030 (USD  
Million)

Table 57 China polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons)  
(USD Million)

Table 58 China polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 59 China polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 60 India polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons)  
(USD Million)

Table 61 India polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 62 India polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 63 Japan polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons)  
(USD Million)

Table 64 Japan polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 65 Japan polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 66 South Korea polycarbonate market estimates & forecast 2019 - 2030 (Kilo  
Tons) (USD Million)

Table 67 South Korea polycarbonate market volume by application 2019 - 2030 (Kilo

Tons)

Table 68 South Korea polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 69 Taiwan polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 70 Taiwan polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 71 Taiwan polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 72 Central & South America polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 73 Central & South America polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 74 Central & South America polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 75 Brazil polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 76 Brazil polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 77 Brazil polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 78 Mexico polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 79 Mexico polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 80 Mexico polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 81 MEA polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 82 MEA polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 83 MEA polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 84 Saudi Arabia polycarbonate market estimates & forecast 2019 - 2030 (Kilo Tons) (USD Million)

Table 85 Saudi Arabia polycarbonate market volume by application 2019 - 2030 (Kilo Tons)

Table 86 Saudi Arabia polycarbonate market revenue by application 2019 - 2030 (USD Million)

Table 87 Polycarbonate imports, 2012 - 2015 (USD Million)

Table 88 Polycarbonate exports, 2012 - 2015 (USD Million)

Table 89 Polycarbonate company heat map analysis

Table 90 Global polycarbonate market vendor landscape

## List Of Figures

### LIST OF FIGURES

- Fig. 1 Polycarbonate market snapshot
- Fig. 2 Polycarbonate market volume, 2021 (Kilo Tons)
- Fig. 3 Polycarbonate market segmentation
- Fig. 4 Polycarbonate market volume & revenue 2019 - 2030 (Kilo Tons) (USD Million)
- Fig. 5 Polycarbonate value chain analysis
- Fig. 6 Polycarbonate market dynamics
- Fig. 7 Polycarbonate market driver impact
- Fig. 8 Global automotive sales by region, 2012 - 2015
- Fig. 9 Asia Pacific construction spending growth by country, 2014 - 2019 (%)
- Fig. 10 Europe construction output, 2014 - 2020 (% change)
- Fig. 11 Polycarbonate market restraint impact
- Fig. 12 Crude oil prices, 2009 - 2015 (USD/barrel)
- Fig. 13 Global BPA price trends, 2008 - 2013 (USD/Ton)
- Fig. 14 Porter's Five Forces analysis - Polycarbonate market
- Fig. 15 PESTEL analysis
- Fig. 16 Polycarbonate market volume by application, 2021 & 2030 (Kilo Tons)
- Fig. 17 Polycarbonate market volume by region, 2021 & 2030 (Kilo Tons)
- Fig. 18 Top importers 2015
- Fig. 19 Top exporters 2015
- Fig. 20 Company market share analysis 2015
- Fig. 21 Competitive environment
- Fig. 22 Strategy framework

## I would like to order

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

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

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/P765D5054FAEN.html>