

Global Flame Retardant for Polycarbonate Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Flame Retardant for Polycarbonate market size was valued at US\$ 136 million in 2024 and is forecast to a readjusted size of USD 182 million by 2031 with a CAGR of 4.3% during review period.

As one of the five major engineering plastics, polycarbonate (PC) is widely used in electronic appliances, lighting, building materials, automotive parts, food packaging and medical devices due to its advantages of high strength, high transparency, high impact resistance and heat resistance. The glass transition temperature of PC is 140-150°, the heat deformation temperature is 135°, and the use range is from -60° to 120°. It has good thermal stability and dimensional stability. Although the flame retardant performance of PC is better than that of PE and PP, the limiting oxygen index (LOI) can reach 21%-24%, and the material itself can reach V-2 level flame retardant, it still cannot meet the higher requirements for flame retardant performance in special fields, and needs to be improved by adding flame retardants. Flame retardant for polycarbonate refers to additives or compounds used to improve the fire resistance of polycarbonate.

Global key players of Flame Retardant for Polycarbonate include ICL, Daihachi Chemical, Zhejiang Wansheng, etc. The top three players hold a share about 46%. Asia-Pacific is the largest market, and has a share about 64%, followed by Europe and North America with share 16% and 15%, separately. In terms of product type, Organo-phosphorus Chemicals is the largest segment, accounting for a share of 71%. In terms of application, Electrical & Electronics is the largest field with a share about 53 percent.

This report is a detailed and comprehensive analysis for global Flame Retardant for

Polycarbonate market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Flame Retardant for Polycarbonate market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global Flame Retardant for Polycarbonate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global Flame Retardant for Polycarbonate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/kg), 2020-2031

Global Flame Retardant for Polycarbonate market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/kg), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for Flame Retardant for Polycarbonate
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Flame Retardant for Polycarbonate market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Lanxess, 3M, Arichem, Mitsubishi Chemical, ICL, Dow, Hengxin Chemical, Daihachi Chemical, Jiangsu Yoke Technology, Zhejiang Wansheng, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Flame Retardant for Polycarbonate market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PPFBS

KSS

STB

Organo-phosphorus Chemicals

Other

Market segment by Application

Electrical & Electronics

Automotive

Construction

Office Equipment

Other

Major players covered

Lanxess

3M

Arichem

Mitsubishi Chemical

ICL

Dow

Hengxin Chemical

Daihachi Chemical

Jiangsu Yoke Technology

Zhejiang Wansheng

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Flame Retardant for Polycarbonate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Flame Retardant for Polycarbonate, with price, sales quantity, revenue, and global market share of Flame Retardant for Polycarbonate from 2020 to 2025.

Chapter 3, the Flame Retardant for Polycarbonate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Flame Retardant for Polycarbonate breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and Flame Retardant for Polycarbonate market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Flame Retardant for Polycarbonate.

Chapter 14 and 15, to describe Flame Retardant for Polycarbonate sales channel, distributors, customers, research findings and conclusion.

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