

Global Non-phosgene Polycarbonate Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

According to our (Global Info Research) latest study, the global Non-phosgene Polycarbonate market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period.

Non-phosgene polycarbonate, also known as direct transesterification polycarbonate, is a method used to produce polycarbonate (PC). Traditional polycarbonate production uses phosgene as a reaction raw material, but phosgene is a toxic and harmful gas that poses environmental and worker safety risks. To reduce these risks, direct transesterification polycarbonates were developed. In this method, the transesterification reaction is directly used in the synthesis of polycarbonate, avoiding the use of phosgene. The production process includes preparation of raw materials, transesterification reaction, dehydration reaction and post-treatment, and finally obtains high-performance polycarbonate products. This method is widely used in the polycarbonate industry, which not only reduces environmental risks, but also improves the safety and efficiency of production.

The industrial production methods of polycarbonate mainly include interface polycondensation method, melt transesterification polycondensation method and non-phosgene melt transesterification polycondensation method. The first two types are also called 'phosgene method', and the latter type is 'Non-phosgene method'. The main factories using non-phosgene melt polymerization include Covestro Thailand Map Ta Phut polycarbonate plant, Covestro Krefeld polycarbonate plant and Saudi Kayan Petrochemical Company Al-Jubail polycarbonate plant, Japan Asahi Kasei, China Shingwa Advanced, etc. In terms of global production capacity, phosgene and semi-phosgene production capacity accounted for 65.96%; China's phosgene and semi-

phosgene production capacity accounted for about 51% of the country's total production capacity. At present, the growth of demand in Asia has led to the rapid growth of polycarbonate production capacity in the world, and the production center has shifted to Asia, especially to developing countries such as China.

The Global Info Research report includes an overview of the development of the Non-phosgene Polycarbonate industry chain, the market status of Electronic and Electrical Equipment (Transparent, Translucent), Auto Industrial (Transparent, Translucent), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Non-phosgene Polycarbonate.

Regionally, the report analyzes the Non-phosgene Polycarbonate markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Non-phosgene Polycarbonate market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Non-phosgene Polycarbonate market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Non-phosgene Polycarbonate industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Tons), revenue generated, and market share of different by Type (e.g., Transparent, Translucent).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Non-phosgene Polycarbonate market.

Regional Analysis: The report involves examining the Non-phosgene Polycarbonate market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Non-phosgene Polycarbonate market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Non-phosgene Polycarbonate:

Company Analysis: Report covers individual Non-phosgene Polycarbonate manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Non-phosgene Polycarbonate. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Electronic and Electrical Equipment, Auto Industrial).

Technology Analysis: Report covers specific technologies relevant to Non-phosgene Polycarbonate. It assesses the current state, advancements, and potential future developments in Non-phosgene Polycarbonate areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Non-phosgene Polycarbonate market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Non-phosgene Polycarbonate market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Transparent

Translucent

Others

Market segment by Application

Electronic and Electrical Equipment

Auto Industrial

Construction and Building Materials

Medical

Others

Major players covered

Covestro

SABIC

Teijin Limited

Mitsubishi Engineering-Plastics Corporation

Asahi Kasei Corporation

LG Chem

Chi Mei Corporation

Sumitomo Chemical

Shingwa Advanced Material Group Co., Ltd.

Ningbo Dafeng Jiangning New Material Technology Co., Ltd.

Puyang Shengtongjuyuan New Material Co., Ltd.

Zhejiang Petroleum&Chemical Co., Ltd.

Lihuayi Weiyuan Chemical Co., Ltd.

Sichuan ZhongLan GuoSu New Materials Technology Co., Ltd.

SINOPEC&SABIC Tianjin Petrochemical Company Ltd.

Hainan Huasheng New Material Technology Co., Ltd.

Yangquan Coal MINING Group Qingdao HENGYUAN CHEMICALS Co., Ltd.

Hubei GAN NING Petrochemical New MATERIALS Co., Ltd.

Sichuan Lutianhua Company Limited

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 Non-phosgene Polycarbonate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Non-phosgene Polycarbonate, with price, sales, revenue and global market share of Non-phosgene Polycarbonate from 2018 to 2023.

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

Chapter 4, the Non-phosgene Polycarbonate breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2017 to 2022. and Non-phosgene Polycarbonate market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Non-phosgene Polycarbonate.

Chapter 14 and 15, to describe Non-phosgene Polycarbonate sales channel, distributors, customers, research findings and conclusion.

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