

Global Non-phosgene Polycarbonate Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G58E54FC5156EN.html>

Date: September 2023

Pages: 118

Price: US\$ 4,480.00 (Single User License)

ID: G58E54FC5156EN

Abstracts

The global Non-phosgene Polycarbonate market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

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.

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.

This report studies the global Non-phosgene Polycarbonate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Non-phosgene Polycarbonate, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Non-phosgene Polycarbonate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Non-phosgene Polycarbonate total production and demand, 2018-2029, (Tons)

Global Non-phosgene Polycarbonate total production value, 2018-2029, (USD Million)

Global Non-phosgene Polycarbonate production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Non-phosgene Polycarbonate consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Non-phosgene Polycarbonate domestic production, consumption, key domestic manufacturers and share

Global Non-phosgene Polycarbonate production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Non-phosgene Polycarbonate production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Non-phosgene Polycarbonate production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global Non-phosgene Polycarbonate market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key

companies covered as a part of this study include Covestro, SABIC, Teijin Limited, Mitsubishi Engineering-Plastics Corporation, Asahi Kasei Corporation, LG Chem, Chi Mei Corporation, Sumitomo Chemical and Shingwa Advanced Material Group Co., Ltd., etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Non-phosgene Polycarbonate market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Non-phosgene Polycarbonate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Non-phosgene Polycarbonate Market, Segmentation by Type

Transparent

Translucent

Others

Global Non-phosgene Polycarbonate Market, Segmentation by Application

Electronic and Electrical Equipment

Auto Industrial

Construction and Building Materials

Medical

Others

Companies Profiled:

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

Key Questions Answered

1. How big is the global Non-phosgene Polycarbonate market?
2. What is the demand of the global Non-phosgene Polycarbonate market?
3. What is the year over year growth of the global Non-phosgene Polycarbonate market?
4. What is the production and production value of the global Non-phosgene Polycarbonate market?
5. Who are the key producers in the global Non-phosgene Polycarbonate market?
6. What are the growth factors driving the market demand?

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