

Global High Performance Plastics Market Size study & Forecast, by Type (Fluoropolymers, Polyamides, Polyphenylene Sulfide (PPS), Sulfone Polymers (SP), Liquid Crystal Polymers (LCP), Others), by End-use Industry (Transportation, Electrical & Electronics, Industrial, Medical, Others) and Regional Analysis, 2023-2030

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Abstracts

Global High Performance Plastics Market is valued at approximately USD 22.86 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 9.20% over the forecast period 2023-2030. The Global High-Performance Plastics Market refers to the market for specialized polymers that exhibit exceptional mechanical, thermal, and chemical properties. These high-performance plastics are designed to operate under extreme conditions, such as high temperature, high pressure, and corrosive environment. The major driving factors for the Global High Performance Plastics Market are the growing demand for electric and hybrid vehicles and the growing demand for high-performance plastics in the packaging industry. Moreover, advancements in material technology and an increasing focus on sustainability is creating a lucrative growth opportunity for the market over the forecast period 2023-2030.

Growing demand for electric and hybrid vehicles, which require high-performance plastics to reduce weight and improve fuel efficiency. According to a report by the International Energy Agency, the global electric car fleet exceeded 10 million vehicles in 2020 and is expected to reach 145 million by 2030. Furthermore, in March 2021, General Motors announced that it would increase its investment in electric vehicles to USD 35 billion by 2025, and launch 30 new electric vehicles globally by the end of 2025. Similarly, in June 2021, Ford announced that it would increase its investment in electric

vehicles to USD 30 billion by 2025 and that electric vehicles would make up 40% of its global sales by 2030. However, the high cost of High Performance Plastics stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global High Performance Plastics Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America region is a significant contributor to the High Performance Plastics market due to the presence of major end-use industries such as aerospace, automotive, and electronics. The increasing demand for lightweight and durable materials in these industries is expected to drive market growth in the region. Asia Pacific region is expected to witness significant growth in the High Performance Plastics market due to the increasing demand from end-use industries such as automotive, electronics, and construction. The growing population, rising disposable income, and increasing urbanization are expected to drive the demand for high-performance plastics in the region.

Major market player included in this report are:

Solvay (Belgium)
BASF SE (Germany)
Arkema (France)
Evonik Industries (Germany)
DuPont (U.S.)
SABIC (Saudi Arabia)
DAIKIN INDUSTRIES, Ltd (Japan)
Victrex plc (U.K.)
Saint-Gobain Performance Plastics (France)
DSM (Netherlands)

Recent Developments in the Market:

In October 2022, Arkema announced the launch of a new series of recycled High Performance Polyamides (HPP) called Virtucycle, which are manufactured at their custom recycling center in Italy. The Virtucycle program uses partially or fully recycled Rilsamid polyamide 12, Pebax polymers, and Rilsan polyamide 11 to produce high-performance polyamides.

In July 2022, BASF launched the PuriCycle portfolio, which includes advanced high-performance adsorbents and catalysts for the purification of complex waste plastics pyrolysis feeds. These products are designed to enable plastic recycling and help address the global issue of plastic waste.

Global High Performance Plastics Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Type, End-use Industry, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and Type offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Type:

Fluoropolymers

Polyamides

Polyphenylene Sulfide (PPS)

Sulfone Polymers (SP)

Liquid Crystal Polymers (LCP)

Others

By End-use Industry:

Transportation

Electrical & Electronics

Industrial

Medical

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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