

Global Polyarylsulfone Market Size Study, by Product (PPSU, PSU, PEI & PESU), by End-Use Industry (Healthcare, Automotive, Aerospace, Water Treatment, Electrical & Electronics), and Regional Forecasts 2022-2032

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Abstracts

The global polyarylsulfone market, valued at approximately USD 1.27 billion in 2023, is anticipated to experience substantial growth, reaching USD 2.15 billion by 2032, at a compound annual growth rate (CAGR) of 4.26% during the forecast period 2024-2032. Renowned for its exceptional thermal stability, chemical resistance, and mechanical strength, polyarylsulfone is becoming increasingly indispensable across critical industries. These high-performance polymers are widely used in applications requiring extreme durability and efficiency, particularly in healthcare, automotive, aerospace, and water treatment sectors.

The surging demand for healthcare applications, driven by the rapid adoption of biocompatible materials in medical devices, is a significant growth catalyst for the polyarylsulfone market. Additionally, the automotive and aerospace industries are leveraging these polymers to meet stringent performance standards, enabling lightweight, fuel-efficient, and durable solutions. However, challenges such as high production costs and complex manufacturing processes may hinder market growth during the forecast period.

Innovations in material formulations and advancements in manufacturing technologies are reshaping the polyarylsulfone market landscape. The development of eco-friendly and sustainable variants is addressing environmental concerns while expanding the application scope. Moreover, rising investments in water treatment infrastructure, coupled with the polymer's superior performance in demanding environments,

underscore its relevance across diverse industries.

Regionally, North America dominates the global polyarylsulfone market due to robust industrial demand and well-established end-use sectors. Europe follows closely, supported by advancements in material science and increasing regulatory emphasis on high-performance solutions. Meanwhile, Asia-Pacific is expected to witness the fastest growth, fueled by rapid industrialization, expanding healthcare infrastructure, and escalating automotive production. Emerging economies in Latin America and the Middle East & Africa also present significant growth opportunities, driven by increased investments in infrastructure and energy sectors.

Major market players included in this report are:

Solvay S.A.

BASF SE

SABIC

Ensinger GmbH

Sumitomo Chemical Co., Ltd.

Mitsubishi Chemical Advanced Materials AG

Quadrant Group

RTP Company

Westlake Plastics Company

Polyplastics Co., Ltd.

Tosoh Corporation

Arkema S.A.

Ensinger Inc.

Celanese Corporation

Dongyue Group

The detailed segments and sub-segments of the market are explained below:

By Product:

PPSU

PSU

PEI & PESU

By End-Use Industry:

Healthcare

Automotive

Aerospace

Water Treatment

Electrical & Electronics

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia-Pacific

China

India

Japan

Australia

South Korea

Rest of Asia-Pacific

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Comprehensive market forecasts segmented by product, end-use industry, and region for a decade.

Detailed regional analysis offering granular insights into market dynamics and trends.

Competitive landscape analysis highlighting major players, strategies, and innovations.

Identification of emerging opportunities across key industries and applications.

Supply and demand-side evaluations providing actionable intelligence for stakeholders.

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