

Global Mold Release Agents Market Size Study & Forecast, by Type, Product, Application and Regional Forecasts 2025–2035

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Abstracts

The Global Mold Release Agents Market is valued at approximately USD 2.37 billion in 2024 and is poised to grow with a healthy CAGR of 5.40% over the forecast period from 2025 to 2035. Mold release agents, the unsung heroes behind flawless manufacturing, are chemical solutions that facilitate the easy release of materials from molds, ensuring surface integrity, reducing defects, and extending mold life. These agents are widely used in industries such as automotive, construction, aerospace, and food processing to improve production efficiency and product quality. As manufacturers relentlessly pursue cost-efficiency, sustainability, and higher throughput, the role of advanced mold release technologies has evolved from a mere process aid to a strategic enabler of smart manufacturing systems.

The robust expansion in sectors like die-casting, polyurethane molding, and plastic manufacturing is compelling companies to adopt highly customized mold release formulations. These agents are increasingly being engineered to offer low VOC emissions, compatibility with various molding temperatures, and food-grade compliance in specific applications. Innovations in water-based and semi-permanent release technologies are capturing market attention, driven by growing environmental regulations and the need for cleaner, safer factory environments. Additionally, the emergence of hybrid agents that integrate both internal and external functions is revolutionizing production lines by minimizing downtime and material wastage. This heightened R&D activity is leading to next-generation agents that deliver consistent performance across highly variable mold geometries and production scales.

Regionally, North America remains a dominant force in the mold release agents industry, fueled by the presence of major die-casting and automotive hubs, especially in

the U.S. and Canada. A mature industrial ecosystem and rapid technological adoption are enhancing the region's grip on high-performance external and semi-permanent release products. Meanwhile, Europe is experiencing a steady upsurge due to tightening EU environmental directives and increasing use of composite materials across automotive and aerospace manufacturing. However, it's the Asia Pacific region that is projected to register the most aggressive growth trajectory, spurred by rampant industrialization in China and India, rising consumer goods manufacturing, and expanding infrastructure development. Latin America and the Middle East & Africa, though relatively smaller markets, are also witnessing increased demand driven by local production growth and foreign direct investment in manufacturing sectors.

Major market player included in this report are:

BASF SE

Croda International Plc.

Dow Chemical Company

Chem-Trend L.P.

Henkel AG & Co. KGaA

Daikin Industries Ltd.

Wacker Chemie AG

Evonik Industries AG

Shin-Etsu Chemical Co., Ltd.

PPG Industries, Inc.

Parker Hannifin Corporation

Michelman Inc.

Franklynn Industries

TAG Chemicals GmbH

AXEL Plastics Research Laboratories Inc.

Global Mold Release Agents Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025–2035

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

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

Customization Scope – Free report customization (equivalent up to 8 analysts' 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 for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players.

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

By Type:

Water-Based

Solvent-Based

Others

By Product:

Internal

External

Semi-Permanent

Others

By Application:

Die-Casting

Polyurethane Molding

Concrete

Rubber Molding

Plastic Molding

Wood-Composite

Composite Molding

Food Processing

Others

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

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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