

# Global Catalyst Carriers Market Size Study & Forecast, by Type (Oxides, Carbon-based) and End-Use (Petrochemicals, Oil and Gas), and Regional Forecasts 2025–2035

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## Abstracts

The Global Catalyst Carriers Market is valued at approximately USD 0.44 billion in 2024 and is expected to grow at a promising compound annual growth rate (CAGR) of 3.90% over the forecast period from 2025 to 2035. Catalyst carriers, the unsung heroes of the chemical processing world, act as support systems for active catalytic components, influencing everything from reaction stability to conversion efficiency. These functional materials play an indispensable role in industries such as petrochemicals, chemical manufacturing, and oil & gas, where reaction precision and thermal integrity are paramount. In a rapidly evolving industrial landscape, catalyst carriers are no longer passive frameworks—they're engineered for optimization, offering porosity, mechanical strength, and surface area tailored to specific application needs.

Demand for high-performance catalyst carriers is being accelerated by the need to refine process economics and sustainability simultaneously. As environmental regulations become more stringent and production margins tighten, manufacturers are leveraging advanced carriers to lower emissions, reduce process temperatures, and increase throughput. Among the types, oxide-based carriers continue to lead the global market due to their broad chemical compatibility and thermal stability, while carbon-based carriers are emerging as preferred choices in reactions involving harsh chemical conditions, thanks to their inert nature and electronic conductivity. Simultaneously, zirconia carriers are carving out a niche in specialized catalytic processes where high-temperature resistance and acidity control are critical.

Regionally, North America commands a significant share of the market, attributed to its

robust petrochemical infrastructure, technological prowess, and consistent R&D investment in heterogeneous catalysis. The United States in particular maintains a leading role, powered by its deep-rooted industrial chemical base and rising focus on cleaner refinery operations. Europe follows closely behind, propelled by its circular economy mandates and emphasis on green chemistry solutions. Meanwhile, Asia Pacific is anticipated to showcase the fastest growth during the forecast period, spurred by the expansion of chemical production hubs in China, India, and Southeast Asia. These nations are not only scaling capacity but also enhancing process efficiencies, thereby driving demand for superior catalyst support materials. Latin America and the Middle East & Africa are also on the radar, with infrastructural modernization and increased investment in refining units acting as key enablers.

Major market player included in this report are:

BASF SE

Halliburton Company

Baker Hughes Company

Chevron Phillips Chemical Company

Impact Fluid Solutions

Schlumberger Limited.

Croda International Plc.

M&D Industries of Louisiana, Inc.

Aubin Group

Trican Well Service Ltd.

Johnson Matthey

Clariant AG

Sasol Limited

Saint-Gobain

Sumitomo Chemical Co., Ltd.

#### Global Catalyst Carriers 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:

Oxides

Carbon-based

Zirconia

By End-Use:

Petrochemicals

Chemicals Manufacturing

Oil and Gas

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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