

# Global PMI Foam Market Size Study & Forecast, by Application (Aerospace & Defense, Wind Energy, Sporting Goods) and Regional Forecasts 2025–2035

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## Abstracts

The PMI foam market, a niche yet vital segment of advanced materials, is undergoing a transformative shift as industries continue to chase durability, ultra-lightweight construction, and sustainability without compromising on structural integrity. As of 2024, the market stands at an estimated value of USD 109.87 billion and is projected to rise robustly at a CAGR of 6.81% through 2035. PMI (polymethacrylimide) foam, prized for its exceptional mechanical properties, thermal stability, and compatibility with composite structures, plays a pivotal role in high-performance applications across aerospace, wind energy, and sporting goods. As industries seek optimized performance with reduced weight, PMI foam is increasingly adopted in sandwich structures, enhancing material performance while slashing overall mass.

This surge in market traction is notably supported by the aerospace and defense sector, which demands materials that offer superior strength-to-weight ratios. PMI foam's unique closed-cell structure makes it a preferred core material in aircraft interiors, satellite structures, and UAV components. Simultaneously, the wind energy sector is leaning into PMI foam for rotor blade cores—benefitting from its rigidity and fatigue resistance. With governments worldwide focusing on clean energy transitions and carbon neutrality targets, wind farm installations—especially offshore—are fueling the need for robust, lightweight materials. Furthermore, the sporting goods industry is integrating PMI foam to design high-performance gear that merges safety and efficiency, from bicycles to helmets.

Geographically, North America is poised to dominate the global PMI foam market throughout the forecast period, thanks to its mature aerospace and defense landscape and deep-rooted innovation ecosystems. The presence of global aerospace leaders and

continuous investment in next-generation aircraft bolster PMI foam consumption in the region. Europe is also a key growth arena, with the region's focus on wind energy and sustainable mobility. Nations like Germany, France, and the UK are aggressively investing in green technologies, pushing demand for lightweight structural materials. Meanwhile, Asia Pacific emerges as the fastest-growing region, backed by rapid industrialization, the expansion of regional airline fleets, and increasing adoption of renewable energy solutions across China, India, and Southeast Asia.

Major market players included in this report are:

BASF SE

Zotefoams PLC

Evonik Industries AG

Solvay S.A.

SABIC

Huntsman Corporation

Diab Group

Cashem Advanced Materials Hi-Tech Co., Ltd.

3A Composites

CoreLite Inc.

General Plastics Manufacturing Company

Sekisui Chemical Co., Ltd.

Toray Industries, Inc.

Armacell International S.A.

Gurit Holding AG

## Global PMI Foam 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 Application:

Aerospace & Defense

Wind Energy

Sporting Goods

## 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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