

# Global Closed-cell Rigid Polymethacrylimide (PMI) Foam Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Closed-cell Rigid Polymethacrylimide (PMI) Foam market size is expected to reach \$ 2428 million by 2032, rising at a market growth of 6.1% CAGR during the forecast period (2026-2032).

Closed-cell Rigid Polymethacrylimide (PMI) Foam is a high-performance closed-cell structural foam derived from polymethacrylimide polymer, characterized by its ultra-lightweight structure, high mechanical strength, excellent thermal resistance, and superior fatigue performance, widely used as a core material in advanced sandwich composites for aerospace, wind energy, automotive, and high-end industrial applications.

The Closed-cell Rigid Polymethacrylimide (PMI) Foam industry chain begins upstream with suppliers of methacrylic acid derivatives, acrylonitrile-based intermediates, blowing agents, and specialty chemicals used in polymer synthesis, continues midstream with PMI foam manufacturers that polymerize, foam, cure, and machine materials into sheets or customized shapes with controlled density and mechanical properties, and extends downstream to composite manufacturers and OEMs that integrate PMI foam into sandwich structures using carbon fiber or glass fiber laminates for aerospace, wind energy, automotive, and industrial applications, with engineering services, distribution networks, and certification processes supporting product integration and performance validation across high-performance end-use sectors.

Ongoing and planned projects in the Closed-cell Rigid Polymethacrylimide (PMI) Foam market include capacity expansions by leading composite material manufacturers in Europe and China to meet increasing demand from aerospace and wind energy sectors, development of next-generation high-temperature and ultra-lightweight PMI

foam grades for advanced aircraft and space applications, investment in automated production lines and precision machining facilities to improve scalability and cost efficiency, and strategic collaborations between material suppliers and OEMs to develop customized solutions for electric vehicles and renewable energy systems, alongside pilot projects focused on improving sustainability and recyclability of high-performance polymer foams.

2025 Global Market sales Volume: 45,000 Tons, Average Global Market Price: USD 35,000/Ton, Market Average Gross Profit Margin: 35%.

This report studies the global Closed-cell Rigid Polymethacrylimide (PMI) Foam production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Closed-cell Rigid Polymethacrylimide (PMI) Foam and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Closed-cell Rigid Polymethacrylimide (PMI) Foam that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam total production and demand, 2021-2032, (Kilotons)

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam total production value, 2021-2032, (USD Million)

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Closed-cell Rigid Polymethacrylimide (PMI) Foam domestic production, consumption, key domestic manufacturers and share

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Closed-cell Rigid Polymethacrylimide (PMI) Foam market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Evonik, CEL Components, Hunan Zihard Material Technology, Cashem Advanced Materials Hi-tech, Hybo Technology, Visight, ReinChem Co. Ltd, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Closed-cell Rigid Polymethacrylimide (PMI) Foam market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam Market, Segmentation by Type:

110 kg/m<sup>3</sup>

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam Market, Segmentation by Processing Temperature:

Standard-Temp Grade

High-Temp Grade

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam Market, Segmentation by Cell Structure:

Standard Cell

Fine-Cell / Low Print-Through Grade

Global Closed-cell Rigid Polymethacrylimide (PMI) Foam Market, Segmentation by Application:

Aerospace

Transport

Others

Companies Profiled:

Evonik

CEL Components

Hunan Zihard Material Technology

Cashem Advanced Materials Hi-tech

Hybo Technology

Visight

ReinChem Co. Ltd

**Key Questions Answered:**

1. How big is the global Closed-cell Rigid Polymethacrylimide (PMI) Foam market?
2. What is the demand of the global Closed-cell Rigid Polymethacrylimide (PMI) Foam market?
3. What is the year over year growth of the global Closed-cell Rigid Polymethacrylimide (PMI) Foam market?
4. What is the production and production value of the global Closed-cell Rigid Polymethacrylimide (PMI) Foam market?
5. Who are the key producers in the global Closed-cell Rigid Polymethacrylimide (PMI) Foam market?
6. What are the growth factors driving the market demand?

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