

# Global Modified Silicon Polystyrene Board Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Modified Silicon Polystyrene Board market size is expected to reach \$ 4575 million by 2032, rising at a market growth of 4.0% CAGR during the forecast period (2026-2032).

Modified silica polystyrene board (also known as polymerized polystyrene board or thermosetting composite polystyrene foam insulation board) is a new type of exterior wall insulation material that is fire-resistant modified based on traditional EPS foam board. It achieves Class A fire resistance by wrapping inorganic fire-retardant materials around polystyrene particles, while maintaining low thermal conductivity, lightweight, and good insulation performance.

The upstream mainly consists of petrochemical products such as polystyrene (PS) granules, foaming agents, and core modifiers (such as thermosetting resins, aluminum hydroxide, expanded graphite, and other flame-retardant materials).

Prices are significantly affected by fire resistance rating, density, and thickness, hovering around US\$40 per cubic meter. Sales volume in 2025 was 84.52 million cubic meters. The industry's gross profit margin ranges from 30% to 40%.

With the continued tightening of fire safety standards for high-rise building exterior wall materials in 2026, the market space for traditional Class B fire-retardant materials has been compressed. Modified silica panels, with their established Class A fire resistance and mature construction system, have quickly filled the market gap. Meanwhile, under the global 'dual carbon' goal, ultra-low energy building standards require a significant increase in exterior wall thermal resistance. The excellent thermal conductivity of modified silica panels allows them to achieve the same energy-saving standards with a

thickness far less than inorganic mortar or rock wool, greatly saving building common area and reducing the overall system cost.

This report studies the global Modified Silicon Polystyrene Board production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Modified Silicon Polystyrene Board 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 Modified Silicon Polystyrene Board that contribute to its increasing demand across many markets.

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

Global Modified Silicon Polystyrene Board total production and demand, 2021-2032, (Cubic Meter)

Global Modified Silicon Polystyrene Board total production value, 2021-2032, (USD Million)

Global Modified Silicon Polystyrene Board production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Cubic Meter), (based on production site)

Global Modified Silicon Polystyrene Board consumption by region & country, CAGR, 2021-2032 & (Cubic Meter)

U.S. VS China: Modified Silicon Polystyrene Board domestic production, consumption, key domestic manufacturers and share

Global Modified Silicon Polystyrene Board production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Cubic Meter)

Global Modified Silicon Polystyrene Board production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Cubic Meter)

Global Modified Silicon Polystyrene Board production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Cubic Meter)

This report profiles key players in the global Modified Silicon Polystyrene Board 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 BEWI, Knauf, Austrotherm, swisspor, Ravago Building Solutions, HIRSCH Porozell, Insulfoam, Atlas Molded Products, Alleguard, Progressive Foam Technologies, 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 Modified Silicon Polystyrene Board market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Cubic Meter) and average price (US\$/Cubic Meter) 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 Modified Silicon Polystyrene Board Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Modified Silicon Polystyrene Board Market, Segmentation by Type:

Graphite Modified Sheet

Thermosetting Modified Sheet

### Global Modified Silicon Polystyrene Board Market, Segmentation by Fire Resistance

Rate:

Class A

Class B1

Global Modified Silicon Polystyrene Board Market, Segmentation by Density:

Low-Density Fiberboard

High-Density Fiberboard

Global Modified Silicon Polystyrene Board Market, Segmentation by Application:

Construction

Industrial

Other

Companies Profiled:

BEWI

Knauf

Austrotherm

swisspor

Ravago Building Solutions

HIRSCH Porozell

Insulfoam

Atlas Molded Products

Alleguard

Progressive Foam Technologies

Beipeng Building Materials Group

Sichuan Weierda Chemical

ASIA CUANON

Jiangsu Tweels New Material

Suzhou Wujiang Jinmao Thermal Insulation Materials

**Key Questions Answered:**

1. How big is the global Modified Silicon Polystyrene Board market?
2. What is the demand of the global Modified Silicon Polystyrene Board market?
3. What is the year over year growth of the global Modified Silicon Polystyrene Board market?
4. What is the production and production value of the global Modified Silicon Polystyrene Board market?
5. Who are the key producers in the global Modified Silicon Polystyrene Board market?
6. What are the growth factors driving the market demand?

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