

# Global Silica Aerogel Foam Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Silica Aerogel Foam market size is expected to reach \$ 2351 million by 2032, rising at a market growth of 11.4% CAGR during the forecast period (2026-2032).

Silica Aerogel Foam is an advanced ultra-lightweight insulation material that combines a porous silica aerogel network (typically derived from silicon dioxide) with a flexible foam or fiber matrix, resulting in a material that retains the extremely low thermal conductivity and high porosity of aerogels while improving mechanical strength and handling; it is widely used in thermal insulation for oil & gas, construction, EV batteries, and aerospace. The supply chain begins upstream with silica precursors such as sodium silicate or tetraethyl orthosilicate, along with solvents (ethanol, methanol) and catalysts; midstream production involves sol-gel processing, aging, and drying (often supercritical or ambient pressure drying) to form aerogel structures, followed by integration into foam composites or blankets through reinforcement with polymers or fibers; downstream, the material is fabricated into panels, rolls, or molded components and distributed to end users including energy infrastructure companies, building insulation suppliers, EV manufacturers, and industrial equipment providers, where performance advantages such as low density, fire resistance, and superior thermal insulation drive adoption. In 2025, global Silica Aerogel Foam output was about 45,000 tons with 60,000 tons of capacity, average prices of USD 20,000–40,000 per ton, and gross margins around 37%.

This report studies the global Silica Aerogel Foam production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Silica Aerogel 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 Silica Aerogel Foam that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Silica Aerogel Foam total production and demand, 2021-2032, (Kilotons)

Global Silica Aerogel Foam total production value, 2021-2032, (USD Million)

Global Silica Aerogel Foam production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Silica Aerogel Foam consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Silica Aerogel Foam domestic production, consumption, key domestic manufacturers and share

Global Silica Aerogel Foam production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Silica Aerogel Foam production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Silica Aerogel Foam production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Silica Aerogel 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 Aspen Aerogels (USA), Blueshift Materials (USA), Active Aerogels (Portugal), Armacell (Luxembourg), Enersens (France), Svenska Aerogel (Sweden), Guangdong Alison Hi-Tech (China), Zhejiang UGOO Technology (China), IBIH Advanced Materials (China), Ningbo Surnano Aerogel (China), 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 Silica Aerogel 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 Silica Aerogel Foam Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Silica Aerogel Foam Market, Segmentation by Type:

Flexible Foam

Semi-rigid Foam

Rigid Foam

#### Global Silica Aerogel Foam Market, Segmentation by Density:

50–100 kg/m<sup>3</sup>

100–200 kg/m<sup>3</sup>

200–400 kg/m<sup>3</sup>

400–700 kg/m?

### Global Silica Aerogel Foam Market, Segmentation by Application:

Construction

Petrochemical

Battery Insulation

Cold Chain Logistic

Aerospace & Defense

Others

### Companies Profiled:

Aspen Aerogels (USA)

Blueshift Materials (USA)

Active Aerogels (Portugal)

Armacell (Luxembourg)

Enersens (France)

Svenska Aerogel (Sweden)

Guangdong Alison Hi-Tech (China)

Zhejiang UGOO Technology (China)

IBIH Advanced Materials (China)

Ningbo Surnano Aerogel (China)

Namate New Materials Technology (China)

Key Questions Answered:

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

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