

# Global Silica Aerogel Foam Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Silica Aerogel Foam market size was valued at US\$ 1100 million in 2025 and is forecast to a readjusted size of US\$ 2351 million by 2032 with a CAGR of 11.4% during review period.

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 is a detailed and comprehensive analysis for global Silica Aerogel Foam market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this

report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

#### Key Features:

Global Silica Aerogel Foam market size and forecasts, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Silica Aerogel Foam market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Silica Aerogel Foam market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kilotons), and average selling prices (US\$/Ton), 2021-2032

Global Silica Aerogel Foam market shares of main players, shipments in revenue (\$ Million), sales quantity (Kilotons), and ASP (US\$/Ton), 2021-2026

#### The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Silica Aerogel Foam

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Silica Aerogel Foam market based on the following parameters - company overview, sales quantity, revenue, 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.

## Market Segmentation

Silica Aerogel Foam market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Flexible Foam

Semi-rigid Foam

Rigid Foam

### Market segment 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<sup>3</sup>

### Market segment by Application

Construction

Petrochemical

Battery Insulation

Cold Chain Logistic

Aerospace & Defense

Others

#### Major players covered

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)

#### Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Silica Aerogel Foam product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Silica Aerogel Foam, with price, sales quantity, revenue, and global market share of Silica Aerogel Foam from 2021 to 2026.

Chapter 3, the Silica Aerogel Foam competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Silica Aerogel Foam breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Silica Aerogel Foam market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Silica Aerogel Foam.

Chapter 14 and 15, to describe Silica Aerogel Foam sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Silica Aerogel Foam Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 Flexible Foam

1.3.3 Semi-rigid Foam

1.3.4 Rigid Foam

1.4 Market Analysis by Density

1.4.1 Overview: Global Silica Aerogel Foam Consumption Value by Density: 2021 Versus 2025 Versus 2032

1.4.2 50–100 kg/m<sup>3</sup>

1.4.3 100–200 kg/m<sup>3</sup>

1.4.4 200–400 kg/m<sup>3</sup>

1.4.5 400–700 kg/m<sup>3</sup>

1.5 Market Analysis by Application

1.5.1 Overview: Global Silica Aerogel Foam Consumption Value by Application: 2021 Versus 2025 Versus 2032

1.5.2 Construction

1.5.3 Petrochemical

1.5.4 Battery Insulation

1.5.5 Cold Chain Logistic

1.5.6 Aerospace & Defense

1.5.7 Others

1.6 Global Silica Aerogel Foam Market Size & Forecast

1.6.1 Global Silica Aerogel Foam Consumption Value (2021 & 2025 & 2032)

1.6.2 Global Silica Aerogel Foam Sales Quantity (2021-2032)

1.6.3 Global Silica Aerogel Foam Average Price (2021-2032)

### 2 MANUFACTURERS PROFILES

2.1 Aspen Aerogels (USA)

2.1.1 Aspen Aerogels (USA) Details

2.1.2 Aspen Aerogels (USA) Major Business

2.1.3 Aspen Aerogels (USA) Silica Aerogel Foam Product and Services

- 2.1.4 Aspen Aerogels (USA) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.1.5 Aspen Aerogels (USA) Recent Developments/Updates
- 2.2 Blueshift Materials (USA)
  - 2.2.1 Blueshift Materials (USA) Details
  - 2.2.2 Blueshift Materials (USA) Major Business
  - 2.2.3 Blueshift Materials (USA) Silica Aerogel Foam Product and Services
  - 2.2.4 Blueshift Materials (USA) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.2.5 Blueshift Materials (USA) Recent Developments/Updates
- 2.3 Active Aerogels (Portugal)
  - 2.3.1 Active Aerogels (Portugal) Details
  - 2.3.2 Active Aerogels (Portugal) Major Business
  - 2.3.3 Active Aerogels (Portugal) Silica Aerogel Foam Product and Services
  - 2.3.4 Active Aerogels (Portugal) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.3.5 Active Aerogels (Portugal) Recent Developments/Updates
- 2.4 Armacell (Luxembourg)
  - 2.4.1 Armacell (Luxembourg) Details
  - 2.4.2 Armacell (Luxembourg) Major Business
  - 2.4.3 Armacell (Luxembourg) Silica Aerogel Foam Product and Services
  - 2.4.4 Armacell (Luxembourg) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.4.5 Armacell (Luxembourg) Recent Developments/Updates
- 2.5 Enersens (France)
  - 2.5.1 Enersens (France) Details
  - 2.5.2 Enersens (France) Major Business
  - 2.5.3 Enersens (France) Silica Aerogel Foam Product and Services
  - 2.5.4 Enersens (France) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.5.5 Enersens (France) Recent Developments/Updates
- 2.6 Svenska Aerogel (Sweden)
  - 2.6.1 Svenska Aerogel (Sweden) Details
  - 2.6.2 Svenska Aerogel (Sweden) Major Business
  - 2.6.3 Svenska Aerogel (Sweden) Silica Aerogel Foam Product and Services
  - 2.6.4 Svenska Aerogel (Sweden) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.6.5 Svenska Aerogel (Sweden) Recent Developments/Updates
- 2.7 Guangdong Alison Hi-Tech (China)

- 2.7.1 Guangdong Alison Hi-Tech (China) Details
- 2.7.2 Guangdong Alison Hi-Tech (China) Major Business
- 2.7.3 Guangdong Alison Hi-Tech (China) Silica Aerogel Foam Product and Services
- 2.7.4 Guangdong Alison Hi-Tech (China) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
- 2.7.5 Guangdong Alison Hi-Tech (China) Recent Developments/Updates
- 2.8 Zhejiang UGOO Technology (China)
  - 2.8.1 Zhejiang UGOO Technology (China) Details
  - 2.8.2 Zhejiang UGOO Technology (China) Major Business
  - 2.8.3 Zhejiang UGOO Technology (China) Silica Aerogel Foam Product and Services
  - 2.8.4 Zhejiang UGOO Technology (China) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.8.5 Zhejiang UGOO Technology (China) Recent Developments/Updates
- 2.9 IBIH Advanced Materials (China)
  - 2.9.1 IBIH Advanced Materials (China) Details
  - 2.9.2 IBIH Advanced Materials (China) Major Business
  - 2.9.3 IBIH Advanced Materials (China) Silica Aerogel Foam Product and Services
  - 2.9.4 IBIH Advanced Materials (China) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.9.5 IBIH Advanced Materials (China) Recent Developments/Updates
- 2.10 Ningbo Surnano Aerogel (China)
  - 2.10.1 Ningbo Surnano Aerogel (China) Details
  - 2.10.2 Ningbo Surnano Aerogel (China) Major Business
  - 2.10.3 Ningbo Surnano Aerogel (China) Silica Aerogel Foam Product and Services
  - 2.10.4 Ningbo Surnano Aerogel (China) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.10.5 Ningbo Surnano Aerogel (China) Recent Developments/Updates
- 2.11 Namate New Materials Technology (China)
  - 2.11.1 Namate New Materials Technology (China) Details
  - 2.11.2 Namate New Materials Technology (China) Major Business
  - 2.11.3 Namate New Materials Technology (China) Silica Aerogel Foam Product and Services
  - 2.11.4 Namate New Materials Technology (China) Silica Aerogel Foam Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2021-2026)
  - 2.11.5 Namate New Materials Technology (China) Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: SILICA AEROGEL FOAM BY MANUFACTURER**

#### **3.1 Global Silica Aerogel Foam Sales Quantity by Manufacturer (2021-2026)**

- 3.2 Global Silica Aerogel Foam Revenue by Manufacturer (2021-2026)
- 3.3 Global Silica Aerogel Foam Average Price by Manufacturer (2021-2026)
- 3.4 Market Share Analysis (2025)
  - 3.4.1 Producer Shipments of Silica Aerogel Foam by Manufacturer Revenue (\$MM) and Market Share (%): 2025
  - 3.4.2 Top 3 Silica Aerogel Foam Manufacturer Market Share in 2025
  - 3.4.3 Top 6 Silica Aerogel Foam Manufacturer Market Share in 2025
- 3.5 Silica Aerogel Foam Market: Overall Company Footprint Analysis
  - 3.5.1 Silica Aerogel Foam Market: Region Footprint
  - 3.5.2 Silica Aerogel Foam Market: Company Product Type Footprint
  - 3.5.3 Silica Aerogel Foam Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

- 4.1 Global Silica Aerogel Foam Market Size by Region
  - 4.1.1 Global Silica Aerogel Foam Sales Quantity by Region (2021-2032)
  - 4.1.2 Global Silica Aerogel Foam Consumption Value by Region (2021-2032)
  - 4.1.3 Global Silica Aerogel Foam Average Price by Region (2021-2032)
- 4.2 North America Silica Aerogel Foam Consumption Value (2021-2032)
- 4.3 Europe Silica Aerogel Foam Consumption Value (2021-2032)
- 4.4 Asia-Pacific Silica Aerogel Foam Consumption Value (2021-2032)
- 4.5 South America Silica Aerogel Foam Consumption Value (2021-2032)
- 4.6 Middle East & Africa Silica Aerogel Foam Consumption Value (2021-2032)

## **5 MARKET SEGMENT BY TYPE**

- 5.1 Global Silica Aerogel Foam Sales Quantity by Type (2021-2032)
- 5.2 Global Silica Aerogel Foam Consumption Value by Type (2021-2032)
- 5.3 Global Silica Aerogel Foam Average Price by Type (2021-2032)

## **6 MARKET SEGMENT BY APPLICATION**

- 6.1 Global Silica Aerogel Foam Sales Quantity by Application (2021-2032)
- 6.2 Global Silica Aerogel Foam Consumption Value by Application (2021-2032)
- 6.3 Global Silica Aerogel Foam Average Price by Application (2021-2032)

## **7 NORTH AMERICA**

- 7.1 North America Silica Aerogel Foam Sales Quantity by Type (2021-2032)
- 7.2 North America Silica Aerogel Foam Sales Quantity by Application (2021-2032)
- 7.3 North America Silica Aerogel Foam Market Size by Country
  - 7.3.1 North America Silica Aerogel Foam Sales Quantity by Country (2021-2032)
  - 7.3.2 North America Silica Aerogel Foam Consumption Value by Country (2021-2032)
  - 7.3.3 United States Market Size and Forecast (2021-2032)
  - 7.3.4 Canada Market Size and Forecast (2021-2032)
  - 7.3.5 Mexico Market Size and Forecast (2021-2032)

## **8 EUROPE**

- 8.1 Europe Silica Aerogel Foam Sales Quantity by Type (2021-2032)
- 8.2 Europe Silica Aerogel Foam Sales Quantity by Application (2021-2032)
- 8.3 Europe Silica Aerogel Foam Market Size by Country
  - 8.3.1 Europe Silica Aerogel Foam Sales Quantity by Country (2021-2032)
  - 8.3.2 Europe Silica Aerogel Foam Consumption Value by Country (2021-2032)
  - 8.3.3 Germany Market Size and Forecast (2021-2032)
  - 8.3.4 France Market Size and Forecast (2021-2032)
  - 8.3.5 United Kingdom Market Size and Forecast (2021-2032)
  - 8.3.6 Russia Market Size and Forecast (2021-2032)
  - 8.3.7 Italy Market Size and Forecast (2021-2032)

## **9 ASIA-PACIFIC**

- 9.1 Asia-Pacific Silica Aerogel Foam Sales Quantity by Type (2021-2032)
- 9.2 Asia-Pacific Silica Aerogel Foam Sales Quantity by Application (2021-2032)
- 9.3 Asia-Pacific Silica Aerogel Foam Market Size by Region
  - 9.3.1 Asia-Pacific Silica Aerogel Foam Sales Quantity by Region (2021-2032)
  - 9.3.2 Asia-Pacific Silica Aerogel Foam Consumption Value by Region (2021-2032)
  - 9.3.3 China Market Size and Forecast (2021-2032)
  - 9.3.4 Japan Market Size and Forecast (2021-2032)
  - 9.3.5 South Korea Market Size and Forecast (2021-2032)
  - 9.3.6 India Market Size and Forecast (2021-2032)
  - 9.3.7 Southeast Asia Market Size and Forecast (2021-2032)
  - 9.3.8 Australia Market Size and Forecast (2021-2032)

## **10 SOUTH AMERICA**

- 10.1 South America Silica Aerogel Foam Sales Quantity by Type (2021-2032)
- 10.2 South America Silica Aerogel Foam Sales Quantity by Application (2021-2032)
- 10.3 South America Silica Aerogel Foam Market Size by Country
  - 10.3.1 South America Silica Aerogel Foam Sales Quantity by Country (2021-2032)
  - 10.3.2 South America Silica Aerogel Foam Consumption Value by Country (2021-2032)
  - 10.3.3 Brazil Market Size and Forecast (2021-2032)
  - 10.3.4 Argentina Market Size and Forecast (2021-2032)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Silica Aerogel Foam Sales Quantity by Type (2021-2032)
- 11.2 Middle East & Africa Silica Aerogel Foam Sales Quantity by Application (2021-2032)
- 11.3 Middle East & Africa Silica Aerogel Foam Market Size by Country
  - 11.3.1 Middle East & Africa Silica Aerogel Foam Sales Quantity by Country (2021-2032)
  - 11.3.2 Middle East & Africa Silica Aerogel Foam Consumption Value by Country (2021-2032)
  - 11.3.3 Turkey Market Size and Forecast (2021-2032)
  - 11.3.4 Egypt Market Size and Forecast (2021-2032)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2021-2032)
  - 11.3.6 South Africa Market Size and Forecast (2021-2032)

## **12 MARKET DYNAMICS**

- 12.1 Silica Aerogel Foam Market Drivers
- 12.2 Silica Aerogel Foam Market Restraints
- 12.3 Silica Aerogel Foam Trends Analysis
- 12.4 Porters Five Forces Analysis
  - 12.4.1 Threat of New Entrants
  - 12.4.2 Bargaining Power of Suppliers
  - 12.4.3 Bargaining Power of Buyers
  - 12.4.4 Threat of Substitutes
  - 12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

- 13.1 Raw Material of Silica Aerogel Foam and Key Manufacturers

13.2 Manufacturing Costs Percentage of Silica Aerogel Foam

13.3 Silica Aerogel Foam Production Process

13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Silica Aerogel Foam Typical Distributors

14.3 Silica Aerogel Foam Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Silica Aerogel Foam Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Silica Aerogel Foam Consumption Value by Density, (USD Million), 2021 & 2025 & 2032

Table 3. Global Silica Aerogel Foam Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 4. Aspen Aerogels (USA) Basic Information, Manufacturing Base and Competitors

Table 5. Aspen Aerogels (USA) Major Business

Table 6. Aspen Aerogels (USA) Silica Aerogel Foam Product and Services

Table 7. Aspen Aerogels (USA) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 8. Aspen Aerogels (USA) Recent Developments/Updates

Table 9. Blueshift Materials (USA) Basic Information, Manufacturing Base and Competitors

Table 10. Blueshift Materials (USA) Major Business

Table 11. Blueshift Materials (USA) Silica Aerogel Foam Product and Services

Table 12. Blueshift Materials (USA) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 13. Blueshift Materials (USA) Recent Developments/Updates

Table 14. Active Aerogels (Portugal) Basic Information, Manufacturing Base and Competitors

Table 15. Active Aerogels (Portugal) Major Business

Table 16. Active Aerogels (Portugal) Silica Aerogel Foam Product and Services

Table 17. Active Aerogels (Portugal) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 18. Active Aerogels (Portugal) Recent Developments/Updates

Table 19. Armacell (Luxembourg) Basic Information, Manufacturing Base and Competitors

Table 20. Armacell (Luxembourg) Major Business

Table 21. Armacell (Luxembourg) Silica Aerogel Foam Product and Services

Table 22. Armacell (Luxembourg) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share

(2021-2026)

Table 23. Armacell (Luxembourg) Recent Developments/Updates

Table 24. Enersens (France) Basic Information, Manufacturing Base and Competitors

Table 25. Enersens (France) Major Business

Table 26. Enersens (France) Silica Aerogel Foam Product and Services

Table 27. Enersens (France) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 28. Enersens (France) Recent Developments/Updates

Table 29. Svenska Aerogel (Sweden) Basic Information, Manufacturing Base and Competitors

Table 30. Svenska Aerogel (Sweden) Major Business

Table 31. Svenska Aerogel (Sweden) Silica Aerogel Foam Product and Services

Table 32. Svenska Aerogel (Sweden) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 33. Svenska Aerogel (Sweden) Recent Developments/Updates

Table 34. Guangdong Alison Hi-Tech (China) Basic Information, Manufacturing Base and Competitors

Table 35. Guangdong Alison Hi-Tech (China) Major Business

Table 36. Guangdong Alison Hi-Tech (China) Silica Aerogel Foam Product and Services

Table 37. Guangdong Alison Hi-Tech (China) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 38. Guangdong Alison Hi-Tech (China) Recent Developments/Updates

Table 39. Zhejiang UGOO Technology (China) Basic Information, Manufacturing Base and Competitors

Table 40. Zhejiang UGOO Technology (China) Major Business

Table 41. Zhejiang UGOO Technology (China) Silica Aerogel Foam Product and Services

Table 42. Zhejiang UGOO Technology (China) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 43. Zhejiang UGOO Technology (China) Recent Developments/Updates

Table 44. IBIH Advanced Materials (China) Basic Information, Manufacturing Base and Competitors

Table 45. IBIH Advanced Materials (China) Major Business

Table 46. IBIH Advanced Materials (China) Silica Aerogel Foam Product and Services

Table 47. IBIH Advanced Materials (China) Silica Aerogel Foam Sales Quantity

(Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 48. IBIH Advanced Materials (China) Recent Developments/Updates

Table 49. Ningbo Surnano Aerogel (China) Basic Information, Manufacturing Base and Competitors

Table 50. Ningbo Surnano Aerogel (China) Major Business

Table 51. Ningbo Surnano Aerogel (China) Silica Aerogel Foam Product and Services

Table 52. Ningbo Surnano Aerogel (China) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 53. Ningbo Surnano Aerogel (China) Recent Developments/Updates

Table 54. Namate New Materials Technology (China) Basic Information, Manufacturing Base and Competitors

Table 55. Namate New Materials Technology (China) Major Business

Table 56. Namate New Materials Technology (China) Silica Aerogel Foam Product and Services

Table 57. Namate New Materials Technology (China) Silica Aerogel Foam Sales Quantity (Kilotons), Average Price (US\$/Ton), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 58. Namate New Materials Technology (China) Recent Developments/Updates

Table 59. Global Silica Aerogel Foam Sales Quantity by Manufacturer (2021-2026) & (Kilotons)

Table 60. Global Silica Aerogel Foam Revenue by Manufacturer (2021-2026) & (USD Million)

Table 61. Global Silica Aerogel Foam Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 62. Market Position of Manufacturers in Silica Aerogel Foam, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 63. Head Office and Silica Aerogel Foam Production Site of Key Manufacturer

Table 64. Silica Aerogel Foam Market: Company Product Type Footprint

Table 65. Silica Aerogel Foam Market: Company Product Application Footprint

Table 66. Silica Aerogel Foam New Market Entrants and Barriers to Market Entry

Table 67. Silica Aerogel Foam Mergers, Acquisition, Agreements, and Collaborations

Table 68. Global Silica Aerogel Foam Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR

Table 69. Global Silica Aerogel Foam Sales Quantity by Region (2021-2026) & (Kilotons)

Table 70. Global Silica Aerogel Foam Sales Quantity by Region (2027-2032) & (Kilotons)

Table 71. Global Silica Aerogel Foam Consumption Value by Region (2021-2026) & (USD Million)

Table 72. Global Silica Aerogel Foam Consumption Value by Region (2027-2032) & (USD Million)

Table 73. Global Silica Aerogel Foam Average Price by Region (2021-2026) & (US\$/Ton)

Table 74. Global Silica Aerogel Foam Average Price by Region (2027-2032) & (US\$/Ton)

Table 75. Global Silica Aerogel Foam Sales Quantity by Type (2021-2026) & (Kilotons)

Table 76. Global Silica Aerogel Foam Sales Quantity by Type (2027-2032) & (Kilotons)

Table 77. Global Silica Aerogel Foam Consumption Value by Type (2021-2026) & (USD Million)

Table 78. Global Silica Aerogel Foam Consumption Value by Type (2027-2032) & (USD Million)

Table 79. Global Silica Aerogel Foam Average Price by Type (2021-2026) & (US\$/Ton)

Table 80. Global Silica Aerogel Foam Average Price by Type (2027-2032) & (US\$/Ton)

Table 81. Global Silica Aerogel Foam Sales Quantity by Application (2021-2026) & (Kilotons)

Table 82. Global Silica Aerogel Foam Sales Quantity by Application (2027-2032) & (Kilotons)

Table 83. Global Silica Aerogel Foam Consumption Value by Application (2021-2026) & (USD Million)

Table 84. Global Silica Aerogel Foam Consumption Value by Application (2027-2032) & (USD Million)

Table 85. Global Silica Aerogel Foam Average Price by Application (2021-2026) & (US\$/Ton)

Table 86. Global Silica Aerogel Foam Average Price by Application (2027-2032) & (US\$/Ton)

Table 87. North America Silica Aerogel Foam Sales Quantity by Type (2021-2026) & (Kilotons)

Table 88. North America Silica Aerogel Foam Sales Quantity by Type (2027-2032) & (Kilotons)

Table 89. North America Silica Aerogel Foam Sales Quantity by Application (2021-2026) & (Kilotons)

Table 90. North America Silica Aerogel Foam Sales Quantity by Application (2027-2032) & (Kilotons)

Table 91. North America Silica Aerogel Foam Sales Quantity by Country (2021-2026) & (Kilotons)

Table 92. North America Silica Aerogel Foam Sales Quantity by Country (2027-2032) &

(Kilotons)

Table 93. North America Silica Aerogel Foam Consumption Value by Country (2021-2026) & (USD Million)

Table 94. North America Silica Aerogel Foam Consumption Value by Country (2027-2032) & (USD Million)

Table 95. Europe Silica Aerogel Foam Sales Quantity by Type (2021-2026) & (Kilotons)

Table 96. Europe Silica Aerogel Foam Sales Quantity by Type (2027-2032) & (Kilotons)

Table 97. Europe Silica Aerogel Foam Sales Quantity by Application (2021-2026) & (Kilotons)

Table 98. Europe Silica Aerogel Foam Sales Quantity by Application (2027-2032) & (Kilotons)

Table 99. Europe Silica Aerogel Foam Sales Quantity by Country (2021-2026) & (Kilotons)

Table 100. Europe Silica Aerogel Foam Sales Quantity by Country (2027-2032) & (Kilotons)

Table 101. Europe Silica Aerogel Foam Consumption Value by Country (2021-2026) & (USD Million)

Table 102. Europe Silica Aerogel Foam Consumption Value by Country (2027-2032) & (USD Million)

Table 103. Asia-Pacific Silica Aerogel Foam Sales Quantity by Type (2021-2026) & (Kilotons)

Table 104. Asia-Pacific Silica Aerogel Foam Sales Quantity by Type (2027-2032) & (Kilotons)

Table 105. Asia-Pacific Silica Aerogel Foam Sales Quantity by Application (2021-2026) & (Kilotons)

Table 106. Asia-Pacific Silica Aerogel Foam Sales Quantity by Application (2027-2032) & (Kilotons)

Table 107. Asia-Pacific Silica Aerogel Foam Sales Quantity by Region (2021-2026) & (Kilotons)

Table 108. Asia-Pacific Silica Aerogel Foam Sales Quantity by Region (2027-2032) & (Kilotons)

Table 109. Asia-Pacific Silica Aerogel Foam Consumption Value by Region (2021-2026) & (USD Million)

Table 110. Asia-Pacific Silica Aerogel Foam Consumption Value by Region (2027-2032) & (USD Million)

Table 111. South America Silica Aerogel Foam Sales Quantity by Type (2021-2026) & (Kilotons)

Table 112. South America Silica Aerogel Foam Sales Quantity by Type (2027-2032) & (Kilotons)

Table 113. South America Silica Aerogel Foam Sales Quantity by Application (2021-2026) & (Kilotons)

Table 114. South America Silica Aerogel Foam Sales Quantity by Application (2027-2032) & (Kilotons)

Table 115. South America Silica Aerogel Foam Sales Quantity by Country (2021-2026) & (Kilotons)

Table 116. South America Silica Aerogel Foam Sales Quantity by Country (2027-2032) & (Kilotons)

Table 117. South America Silica Aerogel Foam Consumption Value by Country (2021-2026) & (USD Million)

Table 118. South America Silica Aerogel Foam Consumption Value by Country (2027-2032) & (USD Million)

Table 119. Middle East & Africa Silica Aerogel Foam Sales Quantity by Type (2021-2026) & (Kilotons)

Table 120. Middle East & Africa Silica Aerogel Foam Sales Quantity by Type (2027-2032) & (Kilotons)

Table 121. Middle East & Africa Silica Aerogel Foam Sales Quantity by Application (2021-2026) & (Kilotons)

Table 122. Middle East & Africa Silica Aerogel Foam Sales Quantity by Application (2027-2032) & (Kilotons)

Table 123. Middle East & Africa Silica Aerogel Foam Sales Quantity by Country (2021-2026) & (Kilotons)

Table 124. Middle East & Africa Silica Aerogel Foam Sales Quantity by Country (2027-2032) & (Kilotons)

Table 125. Middle East & Africa Silica Aerogel Foam Consumption Value by Country (2021-2026) & (USD Million)

Table 126. Middle East & Africa Silica Aerogel Foam Consumption Value by Country (2027-2032) & (USD Million)

Table 127. Silica Aerogel Foam Raw Material

Table 128. Key Manufacturers of Silica Aerogel Foam Raw Materials

Table 129. Silica Aerogel Foam Typical Distributors

Table 130. Silica Aerogel Foam Typical Customers

## List Of Figures

### LIST OF FIGURES

Figure 1. Silica Aerogel Foam Picture

Figure 2. Global Silica Aerogel Foam Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Silica Aerogel Foam Revenue Market Share by Type in 2025

Figure 4. Flexible Foam Examples

Figure 5. Semi-rigid Foam Examples

Figure 6. Rigid Foam Examples

Figure 7. Global Silica Aerogel Foam Revenue by Density, (USD Million), 2021 & 2025 & 2032

Figure 8. Global Silica Aerogel Foam Revenue Market Share by Density in 2025

Figure 9. 50–100 kg/m<sup>3</sup> Examples

Figure 10. 100–200 kg/m<sup>3</sup> Examples

Figure 11. 200–400 kg/m<sup>3</sup> Examples

Figure 12. 400–700 kg/m<sup>3</sup> Examples

Figure 13. Global Silica Aerogel Foam Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 14. Global Silica Aerogel Foam Revenue Market Share by Application in 2025

Figure 15. Construction Examples

Figure 16. Petrochemical Examples

Figure 17. Battery Insulation Examples

Figure 18. Cold Chain Logistic Examples

Figure 19. Aerospace & Defense Examples

Figure 20. Others Examples

Figure 21. Global Silica Aerogel Foam Consumption Value, (USD Million): 2021 & 2025 & 2032

Figure 22. Global Silica Aerogel Foam Consumption Value and Forecast (2021-2032) & (USD Million)

Figure 23. Global Silica Aerogel Foam Sales Quantity (2021-2032) & (Kilotons)

Figure 24. Global Silica Aerogel Foam Price (2021-2032) & (US\$/Ton)

Figure 25. Global Silica Aerogel Foam Sales Quantity Market Share by Manufacturer in 2025

Figure 26. Global Silica Aerogel Foam Revenue Market Share by Manufacturer in 2025

Figure 27. Producer Shipments of Silica Aerogel Foam by Manufacturer Sales (\$MM) and Market Share (%): 2025

Figure 28. Top 3 Silica Aerogel Foam Manufacturer (Revenue) Market Share in 2025

Figure 29. Top 6 Silica Aerogel Foam Manufacturer (Revenue) Market Share in 2025

Figure 30. Global Silica Aerogel Foam Sales Quantity Market Share by Region (2021-2032)

Figure 31. Global Silica Aerogel Foam Consumption Value Market Share by Region (2021-2032)

Figure 32. North America Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 33. Europe Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 34. Asia-Pacific Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 35. South America Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 36. Middle East & Africa Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 37. Global Silica Aerogel Foam Sales Quantity Market Share by Type (2021-2032)

Figure 38. Global Silica Aerogel Foam Consumption Value Market Share by Type (2021-2032)

Figure 39. Global Silica Aerogel Foam Average Price by Type (2021-2032) & (US\$/Ton)

Figure 40. Global Silica Aerogel Foam Sales Quantity Market Share by Application (2021-2032)

Figure 41. Global Silica Aerogel Foam Revenue Market Share by Application (2021-2032)

Figure 42. Global Silica Aerogel Foam Average Price by Application (2021-2032) & (US\$/Ton)

Figure 43. North America Silica Aerogel Foam Sales Quantity Market Share by Type (2021-2032)

Figure 44. North America Silica Aerogel Foam Sales Quantity Market Share by Application (2021-2032)

Figure 45. North America Silica Aerogel Foam Sales Quantity Market Share by Country (2021-2032)

Figure 46. North America Silica Aerogel Foam Consumption Value Market Share by Country (2021-2032)

Figure 47. United States Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 48. Canada Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 49. Mexico Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Million)

Figure 50. Europe Silica Aerogel Foam Sales Quantity Market Share by Type (2021-2032)

Figure 51. Europe Silica Aerogel Foam Sales Quantity Market Share by Application (2021-2032)

Figure 52. Europe Silica Aerogel Foam Sales Quantity Market Share by Country (2021-2032)

Figure 53. Europe Silica Aerogel Foam Consumption Value Market Share by Country (2021-2032)

Figure 54. Germany Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 55. France Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 56. United Kingdom Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 57. Russia Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 58. Italy Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 59. Asia-Pacific Silica Aerogel Foam Sales Quantity Market Share by Type (2021-2032)

Figure 60. Asia-Pacific Silica Aerogel Foam Sales Quantity Market Share by Application (2021-2032)

Figure 61. Asia-Pacific Silica Aerogel Foam Sales Quantity Market Share by Region (2021-2032)

Figure 62. Asia-Pacific Silica Aerogel Foam Consumption Value Market Share by Region (2021-2032)

Figure 63. China Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 64. Japan Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 65. South Korea Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 66. India Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 67. Southeast Asia Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 68. Australia Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 69. South America Silica Aerogel Foam Sales Quantity Market Share by Type (2021-2032)

Figure 70. South America Silica Aerogel Foam Sales Quantity Market Share by Application (2021-2032)

Figure 71. South America Silica Aerogel Foam Sales Quantity Market Share by Country (2021-2032)

Figure 72. South America Silica Aerogel Foam Consumption Value Market Share by Country (2021-2032)

Figure 73. Brazil Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 74. Argentina Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 75. Middle East & Africa Silica Aerogel Foam Sales Quantity Market Share by Type (2021-2032)

Figure 76. Middle East & Africa Silica Aerogel Foam Sales Quantity Market Share by Application (2021-2032)

Figure 77. Middle East & Africa Silica Aerogel Foam Sales Quantity Market Share by Country (2021-2032)

Figure 78. Middle East & Africa Silica Aerogel Foam Consumption Value Market Share by Country (2021-2032)

Figure 79. Turkey Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 80. Egypt Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 81. Saudi Arabia Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 82. South Africa Silica Aerogel Foam Consumption Value (2021-2032) & (USD Million)

Figure 83. Silica Aerogel Foam Market Drivers

Figure 84. Silica Aerogel Foam Market Restraints

Figure 85. Silica Aerogel Foam Market Trends

Figure 86. Porters Five Forces Analysis

Figure 87. Manufacturing Cost Structure Analysis of Silica Aerogel Foam in 2025

Figure 88. Manufacturing Process Analysis of Silica Aerogel Foam

Figure 89. Silica Aerogel Foam Industrial Chain

Figure 90. Sales Channel: Direct to End-User vs Distributors

Figure 91. Direct Channel Pros & Cons

Figure 92. Indirect Channel Pros & Cons

Figure 93. Methodology

Figure 94. Research Process and Data Source

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