

Aerogel Insulation Market Size, Share, Competitive Landscape and Trend Analysis Report

*The Business Research Company's
Aerogel Insulation Global Market Report
2025 – Market Size, Trends, And Global
Forecast 2025-2034*

LONDON, GREATER LONDON, UNITED
KINGDOM, August 18, 2025
/EINPresswire.com/ -- How Large Will
The [Aerogel Insulation Market](#) Be By
2025?

The Business
Research Company

The Business Research Company

The rapid expansion of the [aerogel insulation market size](#), which is projected to increase from \$0.93 billion in 2024 to \$1.06 billion in 2025 with a compound annual growth rate (CAGR) of

14.5%, has been evident in recent years. This significant growth over the historical period is primarily due to factors such as the surge in demand for efficient energy solutions, a growing emphasis on lightweight and high-performance materials, strict energy codes and regulations for buildings, advances in material science, and the increasing usage in aerospace and defense industries.



Get 30% Off All Global
Market Reports With Code
ONLINE30 – Stay Ahead Of
Trade Shifts,
Macroeconomic Trends, And
Industry Disruptors”

*The Business Research
Company*

In the coming years, the aerogel insulation market is predicted to experience substantial growth, with an estimated value of \$1.81 billion in 2029 and a compound

annual growth rate (CAGR) of 14.2%. Factors contributing to this predicted growth during the forecast period include the rising demand for energy-efficient insulation, the increased use of aerogels in the defense and space sectors, the development of nanomaterial engineering, the surge in green building construction, and supportive government policies. Key trends expected in the forecasted period encompass superior thermal behaviour in harsh conditions, weight-sensitive systems, incorporation in oil and gas conduits, nanoporous silica design, and sophisticated materials for multi-functional insulation systems.

Download a free sample of the aerogel insulation market report:

<https://www.thebusinessresearchcompany.com/sample.aspx?id=25196&type=smp>

What Are The Major Driving Forces Influencing The Aerogel Insulation Market Landscape?

The advancement in the aerogel insulation market is forecasted to be driven by the increasing desire for high-quality insulation materials. These high-quality materials deliver enhanced thermic resistance, boosting energy use efficiency and comfort across different applications. The move toward these high-quality insulation materials is due to stricter government regulations regarding energy efficiency, which mandates the construction industry to employ superior materials to decrease heat retention or loss and cut down energy use. The role of aerogel insulation in these materials is critical as it provides extraordinary thermic resistance, reduces energy loss, supports lightweight construction, and improves efficiency in extreme temperature conditions. For instance, a report from the Department for Energy Security and Net Zero, a UK government department, disclosed in March 2024 that approximately 26,800 more homes had solid wall insulation installed from December 2022 to December 2023, signifying a 3.3% rise. Hence, the increasing demand for high-quality insulation materials is fueling the progress of the aerogel insulation market.

Who Are The Top Players In The Aerogel Insulation Market?

Major players in the Aerogel Insulation Global Market Report 2025 include:

- BASF SE
- Dow Inc
- Cabot Corporation
- Alkegen Inc.
- Proctor Group Ltd
- Armacell International S.A
- Aspen Aerogels Inc.
- W. L. Gore & Associates Inc.
- Firwin corporation
- Wedge India Ltd.

What Are The Key Trends Shaping The Aerogel Insulation Industry?

Leading enterprises in the aerogel insulation market are concentrating their efforts on creating cutting-edge products, such as dual-temperature and next-generation cryogenic aerogel blankets. These initiatives aim to enhance thermal insulation efficiency, durability, and moisture resistance in various applications. Advanced insulation materials like dual-temperature and next-generation cryogenic aerogel blankets are crafted to provide superior thermal safeguarding in differing and extremely low temperatures. To exemplify, Armacell, an industrial foam and flexible insulation material company based in Europe, introduced ArmaGel XGC in April 2025. This new dual-temperature and cryogenic aerogel insulation blanket possesses exceptional thermal

insulation, remarkable fire resistance, hydrophobic properties, and superb acoustic dampening, making it well-suited for challenging industrial and marine settings.

Market Share And Forecast By Segment In The Global Aerogel Insulation Market

The aerogel insulation market covered in this report is segmented –

- 1) By Product Type: Silica Aerogel, Polymer Aerogel, Carbon Aerogel, Composite Aerogel, Other Product Types
- 2) By Form: Blankets, Panels, Granules, Coatings, Other Forms
- 3) By Temperature Range: Low Temperature Insulation (100°C), Medium Temperature Insulation (100°C To 500°C), High Temperature Insulation (Greater Than 500°C)
- 4) By Distribution Channel: Direct Sales, Online Retail, Distributors, Specialty Stores
- 5) By End User: Building And Construction, Oil And Gas, Aerospace, Automotive, Industrial Insulation, Electronics, Other End Users

Subsegments:

- 1) By Silica Aerogel: Powders, Monoliths Or Blocks, Aerogel-infused Fabrics
- 2) By Polymer Aerogel: Polyurethane-Based Aerogels, Polyimide-Based Aerogels, Polystyrene-Based Aerogels, Polyvinyl Alcohol (PVA) Aerogels, Composite Polymer Aerogels
- 3) By Carbon Aerogel: Activated Carbon Aerogels, Graphene-Based Aerogels, Carbon Nanotube Aerogels, Mesoporous Carbon Aerogels
- 4) By Composite Aerogel: Silica-Polymer Composite Aerogels, Carbon-Silica Composite Aerogels, Metal Oxide Composite Aerogels, Fiber-reinforced Composite Aerogels
- 5) By Other Product Types: Ceramic Aerogels, Metal Aerogels, Hybrid Aerogels (Organic-Inorganic), Bio-based Aerogels

View the full aerogel insulation market report:

<https://www.thebusinessresearchcompany.com/report/aerogel-insulation-global-market-report>

Aerogel Insulation Market Regional Insights

In the Aerogel Insulation Global Market Report 2025, North America dominated the market in 2024. The region projected to grow at the fastest pace is Asia-Pacific. The report comprises market data from regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

Browse Through More Reports Similar to the Global Aerogel Insulation Market 2025, By [The Business Research Company](#)

Aerogel Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/aerogel-global-market-report>

Aerospace Insulation Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/aerospace-insulation-global-market-report>

Thermal Insulation Material Global Market Report 2025

<https://www.thebusinessresearchcompany.com/report/thermal-insulation-material-global-market-report>

Speak With Our Expert:

Saumya Sahay

Americas +1 310-496-7795

Asia +44 7882 955267 & +91 8897263534

Europe +44 7882 955267

Email: saumyas@tbrc.info

The Business Research Company - www.thebusinessresearchcompany.com

Follow Us On:

• LinkedIn: <https://in.linkedin.com/company/the-business-research-company>

Oliver Guirdham

The Business Research Company

+44 7882 955267

info@tbrc.info

Visit us on social media:

[LinkedIn](#)

[Facebook](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/840785223>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.