

Aerogel Insulation Market to Reach USD 5,082.32 Mn by 2032, Driven by Energy Efficiency Needs and Material Innovations

Aerogel insulation market is witnessing strong growth, due to rising demand for high-performance thermal insulation & rapid advancements in material technology.

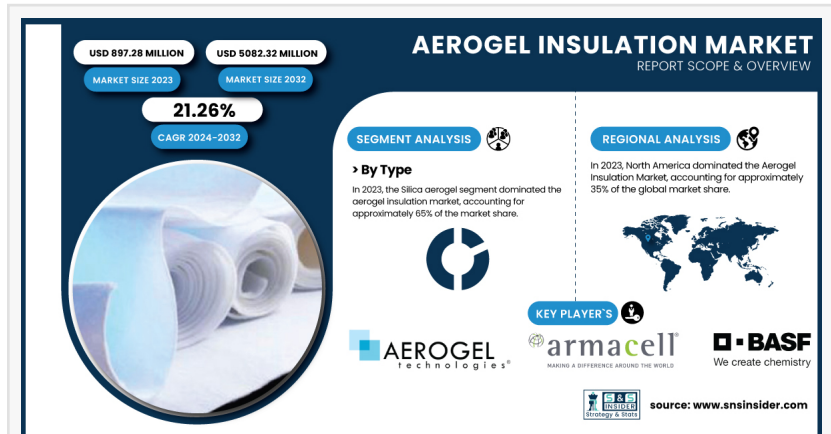
AUSTIN, TX, UNITED STATES, February 24, 2025 /EINPresswire.com/ -- The [aerogel insulation market](#) was valued at USD 897.28 Million in 2023 and is projected to reach USD 5082.32 Million by 2032, growing at a CAGR of 21.26% from 2024 to 2032. Owing to the

excellent thermal insulating characteristics of aerogels along with their growing presence in the construction, oil & gas, and automotive industries, the rapid expansion of the aerogels market can be observed. The expanding implementation of strict government regulations due to increasing focus on energy efficiency is fuelling the growth of the aerogels market. Additionally, the constant development of aerogel composites, more economical products, and the light composition of aerogels play a significant role in their commercial growth. This in turn is boosting market development as more and more market leaders spend heavily on R&D to improve aerogel efficiency and durability while making it more environmentally sustainable.

Get a Sample Report of Aerogel Insulation Market @ <https://www.snsinsider.com/sample-request/5587>

Key Players:

- Active Aerogels (Cryogel, Spacetherm)
- Aerogel Technologies (Airloy, Aerocore)
- American Aerogel Corporation (Custom Aerogel Panels, High-Performance Insulation Sheets)
- Armacell (ArmaGel HT, ArmaGel DT)
- Aspen Aerogels (Pyrogel, Cryogel)
- BASF (SLENTITE, SLENTEX)
- Blueshift Materials (AeroZero Films, AeroZero Sheets)



Aerogel Insulation Market

- Cabot Corporation (Enova Aerogel, Lumira Aerogel)
- Enersens SAS (Aersens F, Enersens Powder)
- Green Earth Aerogel Technologies (Green Gel, Eco Aerogel)
- Guangdong Alison Hi-Tech Co (Alison Blankets, Alison Particles)
- JIOS Aerogel (JIOS AeroVa, JIOS NanoInsul)
- Krosslinker Aerogels (Kross AeroPE, Kross AeroSil)
- Nano High-Tech Co., Ltd. (Nano Aerogel Blanket, Nano Aerogel Powder)
- Norsk Aerogel AS (Quartzene, AquaQuartz)
- Ocellus Inc. (ThermoCell Aerogel, Ocellus Flexible Insulation)
- Svenska Aerogel (Quartzene Dura, Quartzene Polar)
- Taasi Corporation (Taasi FlexGel, Taasi AeroLite)
- Thermablok Inc. (Thermablok Aerogel Strips, Thermablok Insulation Boards)
- Zhongke Aerogel Technology Co., Ltd. (Zhongke Blankets, Zhongke Panels)

By Type Silica aerogel held the largest market share around 65% in 2023.

They possess low thermal conductivity and high-temperature resistance that make ideal for application in the industry where energy efficiency and space-saving are important. Aerogels made from silica find multiple oil & gas applications to insulate pipelines and storage tanks, where heat loss needs to be minimized to improve energy efficiency. Silica aerogels are used in the aerospace sector to provide insulation for spacecraft and sensitive equipment to maintain proper temperatures in extreme conditions. This material has gained popularity owing to its excellent insulating properties at both high and low temperatures and its eco-friendly properties.

By Form, Blanket Aerogels Held the Highest Market Share at 40% in 2023

Blanket aerogels remain the most widely used form due to their ease of installation, flexibility, and high thermal performance. These aerogel blankets are extensively utilized in oil & gas pipelines, building insulation, and industrial equipment insulation, providing superior energy efficiency while reducing installation time. Continuous advancements in aerogel blanket manufacturing, along with increasing demand for eco-friendly and non-toxic insulation solutions, are further driving segment growth.

By Application, Building & Construction Segment Led the Market with a 45% Share in 2023

This growth is fueled by the demand for energy-efficient and sustainable building materials, and with outstanding thermal performance capabilities, aerogel insulation is key for lowering heating and cooling costs for residential and commercial buildings alike. Aerogel applications in wall panels, roof insulation, and insulated windows are enabling buildings to comply with aggressive energy efficiency codes and generating significant energy savings. The use of aerogel insulation in construction projects is likely to see an increase as green building trends gain traction that emphasizes minimizing environmental footprints. '

Buy Full Research Report on Aerogel Insulation Market 2024-2032 @
<https://www.snsinsider.com/checkout/5587>

North America Dominated the Market with a 35% Share in 2023

North America remains the leading region in the aerogel insulation market, driven by increasing investments in energy-efficient infrastructure, stringent regulatory policies on building insulation, and high adoption of aerogel solutions in industries such as automotive, oil & gas, and aerospace. The United States, in particular, is at the forefront of the market due to the presence of key aerogel manufacturers, ongoing technological advancements, and supportive government initiatives promoting sustainable insulation solutions. The growing emphasis on reducing energy consumption and carbon emissions further supports the region's market growth.

About Us:

SNS Insider is a global leader in market research and consulting, shaping the future of the industry. Our mission is to empower clients with the insights they need to thrive in dynamic environments. Utilizing advanced methodologies such as surveys, video interviews, and focus groups, we provide up-to-date, accurate market intelligence and consumer insights, ensuring you make confident, informed decisions.

Jagney Dave
SNS Insider Pvt. Ltd
+1 315 636 4242

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

[Instagram](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/788623689>

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.