

Global Aerogel Insulation Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global Aerogel Insulation market size was valued at US\$ 895 million in 2024 and is forecast to a readjusted size of USD 2222 million by 2031 with a CAGR of 14.0% during review period.

Aerogel is a class of low-density solid gels in which the liquid has been replaced with air or gas. The structural framework of Aerogel is typically composed of silica, so silica aerogel is often referred to as simply 'Aerogel.' However, other structural materials have been used to create aerogels, including carbon, Iron oxide, etc. In insulation applications, Aerogel easily outperforms traditional fillers such as wool and fiberglass. In fact, Aerogel offers the same quality insulation with 1/3 the thickness of other insulating materials. However, Aerogel is expensive to manufacture and is rigid and brittle in its basic form, so it requires some supporting material. In addition, Aerogel withstands temperatures up to 1100 °F (593 °C), but is not suitable for extremely high-temperature applications that operate above that level.

Global key players of Aerogel Insulation include Aspen Aerogels, Cabot Corporation, IBIH, Nano Tech, Guangdong Alison Technology, etc. The top five players hold a share about 63%. Asia-Pacific is the largest market, and has a share about 58%, followed by North America and Europe with share 20% and 15%, separately. In terms of product type, Blankets is the largest segment, accounting for a share of 82%. In terms of application, Oil and Gas has a share about 40 percent.

This report is a detailed and comprehensive analysis for global Aerogel Insulation 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 Aerogel Insulation market size and forecasts, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Aerogel Insulation market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Aerogel Insulation market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Tons), and average selling prices (US\$/Ton), 2020-2031

Global Aerogel Insulation market shares of main players, shipments in revenue (\$ Million), sales quantity (Tons), and ASP (US\$/Ton), 2020-2025

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 Aerogel Insulation

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 Aerogel Insulation 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, Cabot Corporation, IBIH, Nano Tech, Guangdong Alison Technology, Van-Research Innovation, Shenzhen Aerogel Technology, Armacell, Enersens, Aerogel Technologies, etc.

This report also provides key insights about market drivers, restraints, opportunities,



new product launches or approvals.

Market Segmentation

Aerogel Insulation market is split by Type and by Application. For the period 2020-2031, 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.

analysis can help you expand your business by targeting qualified niche markets.	
Market segment by Type	
Blankets	
Granules and Powders	
Other	
Market segment by Application	
Oil and Gas	
Building Insulation	
Transportation	
Household Appliances	
Aerospace and Military	
Other	
Major players covered	
Aspen Aerogels	



IBIH
Nano Tech
Guangdong Alison Technology
Van-Research Innovation
Shenzhen Aerogel Technology
Armacell
Enersens
Aerogel Technologies
Active Aerogels
Xiamen Namate New Materials
Beerenberg
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 Aerogel Insulation product scope, market overview, market

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estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Aerogel Insulation, with price, sales quantity, revenue, and global market share of Aerogel Insulation from 2020 to 2025.

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

Chapter 4, the Aerogel Insulation breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025.and Aerogel Insulation market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Aerogel Insulation.

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



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