

Aerogel Market - Forecasts from 2017 to 2022

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Abstracts

Aerogel Market is projected to witness a compound annual growth rate of 20.02% to grow to US\$1.289 billion in 2022, increasing from US\$0.518 billion in 2017. Aerogel is a mesoporous solid foam derived by replacement of the liquid component of the gel with a gas and is composed of an interconnected nanostructure network with minimum 50% porosity. Increasing adoption and demand from various end-use industries including oil & gas, building & construction, automotive, aerospace & marine, and performance coatings is expected to significantly impact the growth of the Aerogel Market during the forecasted period. Other major factors propelling growth include an Increasing focus on infrastructure development in emerging economies and Shifting preference from silicon towards polymer product Technological advancements have resulted in companies focusing on developing eco-friendly aerogels that comply with the regulations implemented by regulatory bodies, hence reaching out to more customers. New product launches along with agreements & partnerships by key players is also expected to stimulate market expansion over the projected period. However, the high production cost is a major restraining factor for this market. The manufacturers are trying to overcome this by extensive R&D activities. Another limiting factor is the volatility in end use industries such as oil and gas, energy and power generation largely has a limiting effect on the growth of Aerogel market.

Research Methodology

Firstly, the report provides a brief introduction of the market and deals with detailed research methodology for calculating market size and forecasts, secondary data sources used and the primary inputs which were taken for data validation. This section also outlines various segmentation which has been covered as part of the report.

Market Dynamics

Next, the section provides comprehensive market dynamics through an overview section along with growth drivers, challenges, and opportunities which exist in the current market. This section of the report also provides supplier and industry outlook as a whole; key industry, global and regional regulations which are determining the market growth and a brief technological aspect of Aerogel. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

Segmentation

Thirdly, Aerogel Market has been segmented on the basis of Raw Material, Forms and Application, and Geography as below:

By Raw Material

Silica

Carbon

Alumina

Others

By Forms

Blanket

Powder

Blocks

Panels

By End User Industry

Construction

Aerospace and Defense

Oil and Gas

Chemical

Automotive

Consumer Electronics

Healthcare

Others

By Geography

Americas

North America

South America
Europe Middle East and Africa
Europe
The Middle East and Africa
Asia Pacific
Market Players

Finally, competitive intelligence section deals with major players in the market, their market shares, growth strategies, products, financials, and recent investments among others. Key industry players profiled as part of this section are American Aerogel Corporation, Cabot Corporation, Aspen Aerogel Inc, Dow Corning Corporation, Airglass AB, JIOS Aerogel, Active Space Technologies, Acoustiblok UK Ltd among others.

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