

Global Aerogels Market Research Report - Industry Analysis, Size, Share, Growth, Trends and Forecast, 2014 - 2021

<https://marketpublishers.com/r/GC52C0342F7EN.html>

Date: December 2016

Pages: 125

Price: US\$ 3,950.00 (Single User License)

ID: GC52C0342F7EN

Abstracts

Aerogel is a permeable ultralight component that is synthetic in nature. This mesoporous composite material derived from gel is a liquid component that is replaced with a gas. It contains more than 95% air and silica or any other material particles suspended in three-dimensional porous structure. They are extremely porous, low density, lightweight and low thermal conductivity. This feature makes them suitable in various applications that require lightweight and low thermal conductivity such as insulation in petrochemical, construction, and aerospace industries.

The aerogel market is segmented by products as silica aerogels, metal oxide aerogels, carbon aerogels and others (including polymer aerogels, etc.). Silica aerogel had the largest market share and is projected to dominate the global market during the forecast period. The factors such as its high insulating properties, cheap and abundant raw material availability contribute to its dominance. The aerogel market is segmented by end user as construction, oil & gas, transportation, electronics and others (including pharmaceutical, etc.). Oil & gas segment dominates the aerogel market. The increasing demand for advanced insulation materials for its critical applications is expected to sustain the growth for oil & gas segment of aerogel market in the coming years.

The key drivers influencing the growth of aerogels market is growing demand in oil & gas and construction industries. The advancements and innovations in technology and usage in newer application areas is also expected to boost the market. The high demand in the transportation industry is expected to be a major opportunity for aerogels in the next few years. The key constraints of this market are high production cost and volatility of end user industries. The availability of cheaper substitutes is also hampering the market growth.

North America is the largest consumer and producer of aerogel. The factors influencing the same are presence of strong innovation and technology in developed countries. The key players operating in this market are Cabot Corporation, Aspen Aerogels, Inc., Aerogel Technologies, LLC, JIOS Aerogel Limited, Surnano Aerogel Co., Ltd, Svenska Aerogel AB, Green Earth Aerogel Technologies, BASF SE, Guangdong Alison Hi-Tech Co., Ltd., and Ocellus, Inc.

Decision Databases is involved in providing research reports and company profiles in the global aerogels market in terms of revenue and output/volume. Market drivers, opportunities and restraints are thoroughly studied which influences the market. This study is further utilized for the overall analysis of the market. The aerogels market is segmented based on the global applications, geographic presence, by products and ingredients. We offer an inclusive category-specific market outlook. We provide access to a comprehensive collection of companies in the industry. The companies can strategize and execute business operations through our competitor analysis. Find the global industry analysis, market size, share, growth, and trends information in our aerogels profiles.

SEGMENTATIONS IN REPORT:

Aerogels Market By Product

Silica Aerogels

Metal Oxide Aerogels

Carbon Aerogels

Others (Including Polymer Aerogels, Etc.)

Aerogels Market By End-User

Construction

Oil & Gas

Transportation

Electronics

Others (Including Pharmaceutical, Etc.)

Aerogels By Geography

North America

Europe

Asia Pacific

Latin America

Middle East And Africa

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