

Aerogels - Global Market Outlook (2017-2026)

<https://marketpublishers.com/r/A5AA9A778FEEN.html>

Date: August 2018

Pages: 187

Price: US\$ 4,150.00 (Single User License)

ID: A5AA9A778FEEN

Abstracts

According to Statistics MRC, the Global Aerogels Market is accounted for \$443.0 million in 2017 and is expected to reach \$1319.78 million by 2026 growing at a CAGR of 12.8% from 2017 to 2026. Some of the key factors propelling the market growth are superior thermal resistance, advancements & innovations in materials and growing demand from various end-use industries. However, poor mechanical strength and high manufacturing cost are hindering the market growth.

Aerogel is a microporous, dense foam in which the fluid part is replaced by gas, making it the lightest solid. It can hold up to 4000 times its own weight. Aerogel sponge can be recycled after use, thus representing its environmental nature. It presents high temperature resistance, high degree of porosity, low optical index of refraction, low density, low dielectric constant, high specific surface area, and thermal, acoustic, and impact damping properties.

By Type, silica aerogel is estimated to have a considerable growth in the market. Silica aerogels have attracted increasingly more attention due to their extraordinary properties and their existing and potential applications in wide variety technological areas. Silica aerogel is a nanostructured material with high specific surface area, high porosity, low density, low dielectric constant and excellent heat insulation properties. Its solidity and high strength properties make it more advantageous in building and construction sector.

Based on geography, North America is predicted to have a significant growth in the market mainly due to huge consumer responsiveness and increasing demand from the oil & gas and construction applications. In addition, the strong key market players, U.S being the top consumer of aerogel materials are also fuelling the growth of the market.

Some of the key players in the Global Aerogels market are Active Aerogels, American Aerogel Corporation, BASF SE, Green Earth Aerogel Technologies, Nano High-Tech

Co. Ltd., TAASI Corporation, JIOS Aerogel, DowDupont, Airglass AB, Aspen Aerogels, Aerogel Technologies, Guangdong Alison Hi-Tech Co. Ltd., Cabot Corporation, Svenska Aerogel AB and Acoustiblok UK Ltd.

Forms Covered:

Monolith

Blanket

Panel

Particle

Types Covered

Carbon Aerogel

Silica Aerogel

Polymer Aerogel

Alumina

Other Types

Processings Covered:

Additives

Composites

Virgin Aerogels

Technologies Covered:

Supercritical Drying

Other Technologies

End Users Covered:

Construction

Oil & Gas

Day-Lighting & LVHS

Performance Coating

Transportation

Fire Protection

Healthcare

Industrial & Cryogenics

Other End Users

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

Market share assessments for the regional and country level segments

Market share analysis of the top industry players

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

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NOTE: Tables for North America, Europe, Asia Pacific, South America and Middle East & Africa are represented in the manner above

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