

Functional materials - Global Market Outlook (2017-2026)

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Abstracts

According to Statistics MRC, the Global Advanced Functional materials Market is expected to grow at a CAGR of 7.3% during the forecast period. Growing demand in healthcare applications, increased use as an alternative to metals and plastics, growing demand in healthcare applications and eco-buildings of the future using advanced functional material are some factors fueling the market growth. However, cost and raw material availability are restricting the market.

Advanced functional ceramics are used as components in electronic and electrical devices. Apart from its use in manufacturing of medical devices, it is also used as femoral heads and acetabular cups in the hip replacement procedure. Functional ceramics also finds extensive bio-medical applications. Advanced ceramic materials play a key role in the development of many fields such as energy and environmental technology, transportation and production technology. Functional ceramic is also used for dental implants and as scaffolds and bone fillers for tissue engineering. A lot of research has been undertaken to explore other possible applications of nano materials, and the segment is assured of growth in the future.

Based on Type, the advanced functional composites segment is expected to have a steady growth during the forecast period. The advanced functional composites can be classified by strengthening mechanism into particle reinforced composite, fiber reinforced composite and dispersion strengthened. By geography, Asia Pacific is projected to account for the largest share in the global market. The demand for the different kinds of functional materials in this region is high due to the presence of manufacturing economies in this region. Automotive, aerospace, and electronics account for the bulk of the demand. China, India, Japan and South Korea are the main markets in this region.

Some of the key players in Advanced Functional materials Market are BASF SE, AMETEK Inc, Arkema Group, DowDuPont, Henkel AG & Co. KGaA, Sumitomo Corporation, SunEdison, Nanophase Technologies Corporation, Morgan Advanced Materials plc, Nanocyl SA, Renesola, Rauschert GmbH, Materion Corporation, Saint-Gobain and Hexcel Corporation.

Types Covered:

Nanomaterials

Advanced Functional Ceramics

Advanced Functional Composites

Conductive Polymers

Advanced Energy Materials

Other Types

End User Covered:

Industrial

Electrical & Electronics

Aerospace & Defense

Automotive

Energy & Power (incl. Chemical Industry)

Medical

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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