

Advanced Ceramics Market - Forecasts from 2016 to 2021

<https://marketpublishers.com/r/AF8039A3F5AEN.html>

Date: October 2016

Pages: 81

Price: US\$ 3,600.00 (Single User License)

ID: AF8039A3F5AEN

Abstracts

Advanced Ceramics Market is projected to grow to US\$104.854 billion by 2021, from US\$63.112 billion in 2015, at a compound annual growth rate of 8.83%. Advanced ceramics are manufactured to overcome the limitations of the traditional ceramics and to cater the requirements of several industries that depend on the unique properties of technical ceramics. Advanced ceramics have a number of positive properties that include corrosion resistance, high temperature stability and toughness. Increasing demand in applications such as energy efficiency, ballistics protection, environmental protection, among others are expected to fuel the market growth. Another factor positively impacting growth is increasing electronic device demand among consumers particularly in emerging economies of Asia Pacific including India and China. Increasing R&D expenditure to comply with growing demand from new applications is also expected to boost the market growth over the forecast period. However, the advanced ceramics market faces many limitations such as component cost, consistent material properties, environmental impact and collection of long term data in finding applications in broader military and commercial use. High demand for these ceramics in emerging markets such as India and China is projected to make APAC one of the fastest-growth markets. APAC also held the largest market share owing to favorable investment policies, and government initiatives to promote industrial growth.

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 Advanced Ceramics. Complete industry analysis has also been covered by Porter's five forces model as a part of this report section.

Segmentation

Thirdly, Advanced Ceramics Market has been segmented on the basis of material, end user industry and geography as follows:

By Material

Alumina

Zirconate

Titanate

Ferrite

Others

By Type

Monolithic

Matrix Composites

Ceramic Coatings

By End User Industry

Electronics

Manufacturing

Automotive

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 CeramTec, Elan Technology, Oerlikon Surface Solutions, Ortech Incorporated, Morgan Advanced Materials, CoorsTek, Kyocera Industrial Ceramics Corporation among others.

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