

Advanced Ceramics Market by Material (Alumina, Zirconia, Titanate, Silicon Carbide), Application, End-Use Industry (Electrical & Electronics, Transportation, Medical, Defense & Security, Environmental, Chemical) and Region - Global Forecast to 2028

<https://marketpublishers.com/r/A347375293FEN.html>

Date: July 2023

Pages: 226

Price: US\$ 4,950.00 (Single User License)

ID: A347375293FEN

Abstracts

The global advanced ceramics market size is estimated to be USD 11.2 billion in 2023 and projected to reach USD 15.1 billion by 2028, at a CAGR of 6.1%. Advanced ceramics are highly specialized materials offering high-temperature stability, hardness, low thermal expansion, and a variety of electrical properties. These ceramics are inorganic and non-metallic and have a high potential to resolve a wide range of material challenges such as high strength and durability in end-use industries, such as electrical & electronics, medical, transportation, environmental, chemical, and defense & security. The application of these ceramics helps in reducing energy consumption and pollution.

One of the key advantages of advanced ceramics lies in their exceptional strength and hardness. These materials exhibit superior mechanical properties, enabling them to withstand extreme conditions and resist wear and tear. Their high strength-to-weight ratio makes them ideal for applications where lightweight yet durable materials are required. For example, in aerospace engineering, advanced ceramics are used to manufacture components such as turbine blades, heat shields, and thermal insulators, enhancing the efficiency and performance of aircraft.

Another notable advantage of advanced ceramics is their exceptional heat resistance and thermal stability. These ceramics can withstand high temperatures without deformation or structural degradation, making them invaluable in applications involving extreme heat, such as in gas turbines, furnaces, and kilns. Their ability to retain their mechanical properties even at elevated temperatures allows for increased energy

efficiency, extended component lifetimes, and improved overall system performance.

“Alumina ceramics is the largest segment of the advanced ceramics market, by material“

Alumina ceramics led the advanced ceramics market, accounting for more than quarter of the overall market in terms of value in 2022. One of the primary advantages of alumina ceramics is their outstanding mechanical strength and hardness. These ceramics exhibit excellent resistance to wear and abrasion, making them ideal for applications where components are subjected to high stress and friction. Their superior hardness allows alumina ceramics to maintain their structural integrity even in harsh environments, ensuring long-lasting performance and reliability.

“Monolithic ceramics accounted for the largest market share amongst other applications in the advanced ceramics market”

The advanced ceramics market was dominated by the monolithic ceramics segment in 2022, in terms of value. Advanced ceramics find application in monolithic ceramics for electrical insulation purposes. Ceramics such as alumina and steatite offer high dielectric strength and low electrical conductivity, making them ideal for manufacturing insulating components. These ceramics are used in the production of electrical insulators, circuit boards, and high-voltage applications where effective electrical isolation is necessary to prevent electrical breakdown and ensure reliable operation.

“Electrical & electronics is expected to be the largest advanced ceramics consumer amongst all end-use industries”

Electrical & electronics is the largest end-use industry of advanced ceramics. Ceramic-based components are essential in products such as smartphones, computers, televisions, and automotive electronics. Advanced ceramics are used in manufacturing various electronics components, including capacitors, insulators, integrated circuit packages, piezoelectric components, transistor dielectrics, magnets, cathodes, superconductors, high voltage bushings, and antennas. Ceramic components possess good insulation, piezoelectric & dielectric properties, and superconductivity, which make them highly preferred in the electronics industry. Ceramic capacitors have experienced rapid growth lately due to strong demand from mobile devices and communications.

“Asia Pacific is the largest and fastest growing region in advanced ceramics market”

Asia Pacific was the largest market for advanced ceramics in 2022. One of the key factors driving the growth of advanced ceramics in the Asia Pacific is the rapid industrialization and urbanization observed in countries such as China, Japan, South Korea, and India. These nations have become major manufacturing hubs and are investing heavily in sectors such as automotive, aerospace, electronics, and healthcare. Advanced ceramics, with their exceptional properties and versatility, have found extensive applications in these industries, driving the demand for advanced ceramic materials. Furthermore, the rising focus on renewable energy sources in the Asia Pacific region has spurred the demand for advanced ceramics in the production of energy-efficient components. Ceramics such as silicon carbide and aluminum nitride are used in the manufacturing of power electronics, solar panels, and energy storage.

Breakdown of primaries

The study contains insights from various industry experts, ranging from component suppliers to Tier 1 companies and OEMs. The break-up of the primaries is as follows:

By Company Type: Tier 1 – 40%, Tier 2 – 30%, and Tier 3 – 30%

By Designation: C Level– 20%, D-level – 10%, And Other Level – 70%

By Region: North America – 20%, APAC – 30%, Europe – 30%, Middle East & Africa – 10%, South America-15%.

The advanced ceramics market is dominated by a few globally established players such as e Kyocera Corporation (Japan), CeramTec (US), CoorsTek (US), Saint-Gobain Ceramic Materials (US), Morgan Advanced Materials (UK), and 3M (US).

Research Coverage:

The report covers the advanced ceramics market and forecasts its size, by volume and value, based on region (Asia Pacific, Europe, North America, South America, and Middle East & Africa), material (alumina, silicon carbide, titanate, zirconia), application (monolithic ceramic, ceramic coating, ceramic matrix composites, ceramic filters), end-use industry (electrical & electronics, transportation, medical, environmental, chemical, defense & security).

The report also provides a comprehensive review of market drivers, restraints, opportunities, and challenges in the advanced ceramics market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets.

Key Benefits of Buying the Report:

The report will help the leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall market and the sub-segments. This report will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the advanced ceramics market and provides them information on key market drivers, restraints, challenges, and opportunities.

Key benefits of buying this report

This research report is focused on various levels of analysis — industry analysis (industry trends), market ranking analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the advanced ceramics market; high-growth regions; and market drivers, restraints, opportunities, and challenges.

The report provides insights on the following pointers:

Analysis of drivers (Increasing demand from electronics & medical industry), restraints (Volatile raw material prices), opportunities (advancement in nanotechnologies) and challenges (production cost of advanced ceramics) influencing the growth of advanced ceramics market.

Market Penetration: Comprehensive information on advanced ceramics market offered by top players in the global market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the advanced ceramics market.

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for advanced ceramics market across regions.

Market Capacity: Production capacities of companies producing advanced ceramics are provided wherever available with upcoming capacities for the market.

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the advanced ceramics market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS AND EXCLUSIONS

1.4 STUDY SCOPE

FIGURE 1 ADVANCED CERAMICS: MARKET SEGMENTATION

1.4.1 REGIONS COVERED

1.4.2 YEARS CONSIDERED

1.5 CURRENCY CONSIDERED

1.6 UNIT CONSIDERED

1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 ADVANCED CERAMICS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Major secondary sources

2.1.1.2 Key data from secondary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.1.3 PRIMARY INTERVIEWS

2.1.3.1 Primary interviews – demand and supply sides

2.1.3.2 Key industry insights

2.1.3.3 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

FIGURE 3 MARKET SIZE ESTIMATION: BOTTOM-UP APPROACH

2.2.2 TOP-DOWN APPROACH

FIGURE 4 MARKET SIZE ESTIMATION: TOP-DOWN APPROACH

FIGURE 5 ADVANCED CERAMICS: MARKET SIZE ESTIMATION APPROACH

2.3 DATA TRIANGULATION

FIGURE 6 ADVANCED CERAMICS MARKET: DATA TRIANGULATION

2.4 FACTOR ANALYSIS

2.5 ASSUMPTIONS

2.6 LIMITATIONS & RISKS

3 EXECUTIVE SUMMARY

FIGURE 7 ALUMINA CERAMICS TYPE TO LEAD ADVANCED CERAMICS MARKET DURING FORECAST PERIOD

FIGURE 8 MONOLITHIC CERAMICS APPLICATION TO DOMINATE ADVANCED CERAMICS MARKET

FIGURE 9 ELECTRICAL & ELECTRONICS END-USE INDUSTRY TO LEAD ADVANCED CERAMICS MARKET DURING FORECAST PERIOD

FIGURE 10 ASIA PACIFIC ACCOUNTED FOR LARGEST SHARE OF ADVANCED CERAMICS MARKET IN 2022

4 PREMIUM INSIGHTS

4.1 BRIEF OVERVIEW OF ADVANCED CERAMICS MARKET

FIGURE 11 ASIA PACIFIC TO OFFER ATTRACTIVE OPPORTUNITIES IN ADVANCED CERAMICS MARKET DURING FORECAST PERIOD

4.2 ADVANCED CERAMICS MARKET, BY MATERIAL

FIGURE 12 ALUMINA CERAMICS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

4.3 ADVANCED CERAMICS MARKET, BY APPLICATION

FIGURE 13 MONOLITHIC CERAMICS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD

4.4 ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY

FIGURE 14 ELECTRICAL & ELECTRONICS INDUSTRY TO LEAD MARKET DURING FORECAST PERIOD

4.5 ADVANCED CERAMICS MARKET, BY COUNTRY

FIGURE 15 MARKET IN INDIA TO WITNESS HIGHEST GROWTH DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 16 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN ADVANCED CERAMICS MARKET

5.2.1 DRIVERS

5.2.1.1 High growth of end-use industries and high-performance properties of advanced ceramics

5.2.1.2 Rising demand from medical and electronics sectors

5.2.1.3 Rising demand from defense industry

5.2.2 RESTRAINTS

5.2.2.1 Higher cost than metal and alloy counterparts

5.2.3 OPPORTUNITIES

5.2.3.1 Growth in nanotechnology

5.2.3.2 Increasing use in aerospace and defense industries

5.2.3.3 Evolution of IoT and AI technologies

5.2.4 CHALLENGES

5.2.4.1 Low acceptance in new applications

5.3 VALUE CHAIN ANALYSIS

FIGURE 17 OVERVIEW OF VALUE CHAIN OF ADVANCED CERAMICS MARKET

5.3.1 RAW MATERIAL SUPPLIERS

5.3.2 MANUFACTURERS/FORMULATORS

5.3.3 SUPPLIERS/DISTRIBUTORS

5.3.4 COMPONENT MANUFACTURERS/OEMS

5.3.5 END-USE INDUSTRIES

5.4 PORTER'S FIVE FORCES ANALYSIS

FIGURE 18 ADVANCED CERAMICS MARKET: PORTER'S FIVE FORCES ANALYSIS

5.4.1 THREAT OF NEW ENTRANTS

5.4.2 THREAT OF SUBSTITUTES

5.4.3 BARGAINING POWER OF SUPPLIERS

5.4.4 BARGAINING POWER OF BUYERS

5.4.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 1 ADVANCED CERAMICS MARKET: PORTER'S FIVE FORCES ANALYSIS

5.5 RAW MATERIAL ANALYSIS

5.5.1 BAUXITE

5.5.2 SILICA

5.5.3 TITANIA

5.5.4 CARBON

5.5.5 ZIRCONIA

5.6 CASE STUDY ANALYSIS

5.6.1 ADVANCED CERAMICS FOR GREENER SPACE TECHNOLOGY

5.6.2 ACHIEVING HIGH PRECISION AND ENERGY EFFICIENCY

5.6.3 ENHANCING HOT-DIP GALVANIZATION PROCESS FOR STEEL WIRE

PRODUCTION WITH FINE CERAMICS

5.7 MACROECONOMIC INDICATORS

5.7.1 GDP TRENDS AND FORECAST

TABLE 2 PROJECTED REAL GDP GROWTH (ANNUAL PERCENTAGE CHANGE) OF KEY COUNTRIES, 2018–2025

5.8 TARIFFS, STANDARDS, AND REGULATORY LANDSCAPE

5.8.1 REGULATIONS

5.8.1.1 Europe

5.8.1.2 US

5.8.1.3 Others

5.8.2 STANDARDS

5.8.2.1 Occupational Safety and Health Act of 1970 (OSHA Standards)

5.8.2.2 European Committee for Standardization (CEN)

5.8.3 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS

TABLE 3 REGULATORY BODIES, GOVERNMENT AGENCIES AND OTHER ORGANIZATIONS

5.9 TRADE ANALYSIS

TABLE 4 MAJOR EXPORTING COUNTRIES – CERAMIC PRODUCTS (USD THOUSAND)

TABLE 5 MAJOR IMPORTING COUNTRIES– CERAMIC PRODUCTS (USD THOUSAND)

5.10 TECHNOLOGY ANALYSIS

5.10.1 5G CONNECTIVITY

5.10.2 ENERGY TRANSITION

5.10.3 NONTECHNOLOGY

5.10.4 3D PRINTING

5.10.5 SENSORS & ACTUATORS

5.11 AVERAGE SELLING PRICE ANALYSIS

TABLE 6 AVERAGE SELLING PRICE OF ADVANCED CERAMICS, BY REGION (USD/KG)

TABLE 7 AVERAGE SELLING PRICE, BY KEY PLAYERS (USD/KG)

5.12 ECOSYSTEM MAPPING

FIGURE 19 ADVANCED CERAMICS ECOSYSTEM

TABLE 8 ADVANCED CERAMICS MARKET: ECOSYSTEM

5.13 TRENDS AND DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES

FIGURE 20 5G, AI, IOT, AND 3D PRINTING TO DRIVE MARKET

5.14 PATENT ANALYSIS

5.14.1 INTRODUCTION

5.14.2 METHODOLOGY

5.14.3 DOCUMENT TYPE

TABLE 9 TOTAL NUMBER OF PATENTS

FIGURE 21 TOTAL NUMBER OF PATENTS REGISTERED IN 10 YEARS (2012–2022)

5.14.4 PUBLICATION TREND (LAST 10 YEARS)

FIGURE 22 NUMBER OF PATENTS YEAR-WISE FROM 2011 TO 2021

5.14.5 INSIGHTS

5.14.6 LEGAL STATUS OF PATENTS

FIGURE 23 PATENT ANALYSIS, BY LEGAL STATUS

5.14.7 JURISDICTION ANALYSIS

FIGURE 24 TOP JURISDICTION – BY DOCUMENT

5.14.8 TOP COMPANIES/APPLICANTS

FIGURE 25 TOP 10 PATENT APPLICANTS

5.14.8.1 Patents by Gen Electric

TABLE 10 PATENTS BY SAINT GOBAIN CT RECHERCHES

5.14.8.2 Patents by Applied Materials INC

TABLE 11 PATENTS BY APPLIED MATERIALS INC

5.14.8.3 Patents by Univ Taiyuan Technology

TABLE 12 PATENTS BY UNIV TAIYUAN TECHNOLOGY

5.14.9 TOP 10 PATENT OWNERS (US) IN LAST 10 YEARS

TABLE 13 TOP 10 PATENT OWNERS

5.15 KEY CONFERENCES & EVENTS IN 2023–2024

TABLE 14 ADVANCED CERAMICS MARKET: DETAILED LIST OF CONFERENCES & EVENTS

5.16 KEY FACTORS AFFECTING BUYING DECISION

5.16.1 QUALITY

5.16.2 SERVICE

FIGURE 26 SUPPLIER SELECTION CRITERIA

6 ADVANCED CERAMICS MARKET, BY MATERIAL

6.1 INTRODUCTION

FIGURE 27 ALUMINA CERAMICS TO BE LARGEST SEGMENT BY MATERIAL DURING FORECAST PERIOD

TABLE 15 ADVANCED CERAMICS MARKET SIZE, BY MATERIAL, 2019–2022 (KILOTON)

TABLE 16 ADVANCED CERAMICS MARKET SIZE, BY MATERIAL, 2023–2028 (KILOTON)

TABLE 17 ADVANCED CERAMICS MARKET SIZE, BY MATERIAL, 2019–2022 (USD MILLION)

TABLE 18 ADVANCED CERAMICS MARKET SIZE, BY MATERIAL, 2023–2028 (USD MILLION)

6.2 ALUMINA CERAMICS

6.2.1 HIGH WEAR RESISTANCE & COMPRESSIVE STRENGTH TO DRIVE MARKET

6.3 ZIRCONIA CERAMICS

6.3.1 ZIRCONIA CERAMICS AUTOMOTIVE & MEDICAL SECTOR TO DRIVE MARKET

6.4 TITANATE CERAMICS

6.4.1 INCREASING USE IN PIEZOELECTRIC DEVICES TO DRIVE MARKET

6.5 SILICON CARBIDE CERAMICS

6.5.1 EXCEPTIONAL PROPERTIES AND WIDE RANGE OF APPLICATIONS TO DRIVE MARKET

6.6 OTHERS

6.6.1 BERYLLIUM OXIDE CERAMICS

6.6.2 ALUMINUM NITRIDE CERAMICS

6.6.3 SILICON NITRIDE CERAMICS

6.6.4 BORON NITRIDE CERAMICS

6.6.5 MAGNESIUM SILICATE

7 ADVANCED CERAMICS MARKET, BY APPLICATION

7.1 INTRODUCTION

FIGURE 28 MONOLITHIC CERAMICS TO BE LARGEST APPLICATION OF ADVANCED CERAMICS

TABLE 19 ADVANCED CERAMICS MARKET, BY APPLICATION, 2019–2022 (KILOTON)

TABLE 20 ADVANCED CERAMICS MARKET, BY APPLICATION, 2023–2028 (KILOTON)

TABLE 21 ADVANCED CERAMICS MARKET, BY APPLICATION, 2019–2022 (USD MILLION)

TABLE 22 ADVANCED CERAMICS MARKET, BY APPLICATION, 2023–2028 (USD MILLION)

7.2 MONOLITHIC CERAMICS

7.2.1 HIGH DEMAND FROM MEDICAL AND ELECTRICAL & ELECTRONICS INDUSTRIES TO DRIVE MARKET

7.3 CERAMIC MATRIX COMPOSITES

7.3.1 INCREASING DEMAND FROM AEROSPACE INDUSTRY TO DRIVE MARKET

7.4 CERAMIC COATINGS

7.4.1 GROWING DEMAND FROM CHEMICALS INDUSTRY TO DRIVE MARKET

7.5 CERAMIC FILTERS

7.5.1 RESISTANCE TO HIGH TEMPERATURES & EXCELLENT FILTRATION
EFFICIENCY TO DRIVE MARKET
7.6 OTHERS

8 ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY

8.1 INTRODUCTION

FIGURE 29 ELECTRICAL & ELECTRONICS TO BE LARGEST END-USE INDUSTRY
DURING FORECAST PERIOD

TABLE 23 ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022
(KILOTON)

TABLE 24 ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY,
2023–2028(KILOTON)

TABLE 25 ADVANCED CERAMICS MARKET SIZE, BY END-USE INDUSTRY,
2019–2022 (USD MILLION)

TABLE 26 ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028
(USD MILLION)

8.2 ELECTRICAL & ELECTRONICS

8.2.1 PIEZOELECTRIC DEVICES TO GAIN TRACTION DURING FORECAST
PERIOD

8.2.2 HOME APPLIANCES

8.2.3 MOBILE PHONES

8.2.4 OTHERS

8.3 TRANSPORTATION

8.3.1 INCREASING DEMAND FROM AUTOMOTIVE INDUSTRY TO DRIVE MARKET

8.3.2 AUTOMOTIVE

8.3.3 AEROSPACE

8.3.4 OTHERS

8.4 MEDICAL

8.4.1 INCREASING DEMAND FROM DENTAL IMPLANTS TO DRIVE MARKET

8.4.2 MEDICAL DEVICES

8.4.3 DENTISTRY

8.4.4 ARTHROPLASTY

8.5 DEFENSE & SECURITY

8.5.1 INCREASING DEMAND FROM DEFENSE SECTOR TO DRIVE MARKET

8.5.2 MILITARY EQUIPMENT AND ARMOR

8.5.3 ARTILLERY WEAPONS AND VEHICLES

8.5.4 SECURITY AND SURVEILLANCE SYSTEMS

8.6 ENVIRONMENTAL

8.6.1 ADVANCED CERAMICS TO FIND APPLICATIONS IN RENEWABLE TECHNOLOGY

8.6.2 CONVENTIONAL

8.6.3 NON-CONVENTIONAL

8.7 CHEMICALS

8.7.1 INCREASING DEMAND FROM CHEMICAL PROCESSING INDUSTRY TO DRIVE MARKET

8.7.2 CHEMICAL PROCESSING AND REACTION CONTROL

8.7.3 MATERIAL SEPARATION

8.7.4 CONVEYING EQUIPMENT

8.8 OTHERS

9 ADVANCED CERAMICS MARKET, BY REGION

9.1 INTRODUCTION

FIGURE 30 ADVANCED CERAMICS MARKET IN INDIA TO WITNESS HIGHEST CAGR DURING FORECAST PERIOD

TABLE 27 ADVANCED CERAMICS MARKET, BY REGION, 2019–2022 (KILOTON)

TABLE 28 ADVANCED CERAMICS MARKET, BY REGION, 2023–2028 (KILOTON)

TABLE 29 ADVANCED CERAMICS MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 30 ADVANCED CERAMICS MARKET, BY REGION, 2023–2028 (USD MILLION)

9.2 NORTH AMERICA

FIGURE 31 NORTH AMERICA: ADVANCED CERAMICS MARKET SNAPSHOT

TABLE 31 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 32 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 33 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 34 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 35 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 36 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 37 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 38 NORTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)**9.2.1 US**

9.2.1.1 Technology advancements in electronics and automotive industry to drive market

TABLE 39 US: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)**TABLE 40 US: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)****TABLE 41 US: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)****TABLE 42 US: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)****9.2.2 CANADA**

9.2.2.1 Rising industrial investments to drive market

TABLE 43 CANADA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)**TABLE 44 CANADA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)****TABLE 45 CANADA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)****TABLE 46 CANADA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)****9.2.3 MEXICO**

9.2.3.1 Country's strategic location to drive market

TABLE 47 MEXICO: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)**TABLE 48 MEXICO: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)****TABLE 49 MEXICO: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)****TABLE 50 MEXICO: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)****9.3 EUROPE****FIGURE 32 EUROPE: ADVANCED CERAMICS MARKET SNAPSHOT****TABLE 51 EUROPE: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (KILOTON)****TABLE 52 EUROPE: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (KILOTON)**

TABLE 53 EUROPE: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 54 EUROPE: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 55 EUROPE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 56 EUROPE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 57 EUROPE ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 58 EUROPE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.1 GERMANY

9.3.1.1 Big electronics brands to establish manufacturing plants

TABLE 59 GERMANY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 60 GERMANY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 61 GERMANY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 62 GERMANY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.2 UK

9.3.2.1 Rising demand for alternative fuel technologies to drive market

TABLE 63 UK: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 64 UK: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 65 UK: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 66 UK: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.3 NETHERLANDS

9.3.3.1 Demand for new materials from innovative startups to drive market

TABLE 67 NETHERLANDS: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 68 NETHERLANDS: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 69 NETHERLANDS: ADVANCED CERAMICS MARKET, BY END-USE

INDUSTRY, 2019–2022 (USD MILLION)

TABLE 70 NETHERLANDS: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.4 FRANCE

9.3.4.1 Strong industrial base to drive market

TABLE 71 FRANCE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 72 FRANCE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 73 FRANCE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 74 FRANCE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.5 RUSSIA

9.3.5.1 Geopolitical instability to result in stagnant demand

TABLE 75 RUSSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 76 RUSSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 77 RUSSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 78 RUSSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.6 ITALY

9.3.6.1 Transportation and electronics industry to drive market

TABLE 79 ITALY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 80 ITALY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 81 ITALY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 82 ITALY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.7 SPAIN

9.3.7.1 Presence of major manufacturing of automotive components to drive market

TABLE 83 SPAIN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 84 SPAIN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 85 SPAIN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 86 SPAIN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.8 TURKEY

9.3.8.1 Low labor cost and flexible production capabilities to drive market

TABLE 87 TURKEY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 88 TURKEY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 89 TURKEY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 90 TURKEY: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.3.9 REST OF EUROPE

TABLE 91 REST OF EUROPE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 92 REST OF EUROPE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 93 REST OF EUROPE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 94 REST OF EUROPE: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.4 SOUTH AMERICA

FIGURE 33 SOUTH AMERICA: ADVANCED CERAMICS MARKET SNAPSHOT

TABLE 95 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 96 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 97 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 98 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 99 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 100 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 101 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 102 SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)**9.4.1 BRAZIL****9.4.1.1 Investments in renewable energy to drive market****TABLE 103 BRAZIL: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)****TABLE 104 BRAZIL: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)****TABLE 105 BRAZIL: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)****TABLE 106 BRAZIL: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)****9.4.2 ARGENTINA****9.4.2.1 Abundance of natural resources to drive industrial growth****TABLE 107 ARGENTINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)****TABLE 108 ARGENTINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)****TABLE 109 ARGENTINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)****TABLE 110 ARGENTINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)****9.4.3 REST OF SOUTH AMERICA****TABLE 111 REST OF SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)****TABLE 112 REST OF SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)****TABLE 113 REST OF SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)****TABLE 114 REST OF SOUTH AMERICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)****9.5 ASIA PACIFIC****TABLE 115 APAC: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (KILOTON)****TABLE 116 APAC: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (KILOTON)****TABLE 117 APAC: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)****TABLE 118 APAC: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028**

(USD MILLION)

TABLE 119 APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 120 APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 121 APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 122 APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.1 CHINA

9.5.1.1 Huge industrial base to drive market

TABLE 123 CHINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 124 CHINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 125 CHINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 126 CHINA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.2 JAPAN

9.5.2.1 Growing electronics and automotive sectors to drive market

TABLE 127 JAPAN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 128 JAPAN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 129 JAPAN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 130 JAPAN: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.3 SOUTH KOREA

9.5.3.1 Increasing investments in end-use industries to drive market

TABLE 131 SOUTH KOREA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 132 SOUTH KOREA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 133 SOUTH KOREA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 134 SOUTH KOREA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.4 INDIA

9.5.4.1 Government initiatives to enhance automotive and medical electronics production to drive market

TABLE 135 INDIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 136 INDIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 137 INDIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 138 INDIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.5 AUSTRALIA

9.5.5.1 Growth of e-commerce to indirectly drive demand

TABLE 139 AUSTRALIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 140 AUSTRALIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 141 AUSTRALIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 142 AUSTRALIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.6 INDONESIA

9.5.6.1 Investments in electronics and automotive sectors to drive market

TABLE 143 INDONESIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 144 INDONESIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 145 INDONESIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 146 INDONESIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.7 MALAYSIA

9.5.7.1 Investments in automotive industry to drive market

TABLE 147 MALAYSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 148 MALAYSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 149 MALAYSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 150 MALAYSIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.5.8 REST OF ASIA PACIFIC

TABLE 151 REST OF APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 152 REST OF APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 153 REST OF APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 154 REST OF APAC: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.6 MIDDLE EAST & AFRICA

TABLE 155 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (KILOTON)

TABLE 156 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (KILOTON)

TABLE 157 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 158 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY COUNTRY, 2023–2028 (USD MILLION)

TABLE 159 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 160 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 161 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 162 MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.6.1 SAUDI ARABIA

9.6.1.1 Saudi Vision 2030 to drive market growth

TABLE 163 SAUDI ARABIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 164 SAUDI ARABIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 165 SAUDI ARABIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 166 SAUDI ARABIA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.6.2 SOUTH AFRICA

9.6.2.1 Developments in automotive sector to drive market

TABLE 167 SOUTH AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 168 SOUTH AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 169 SOUTH AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 170 SOUTH AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

9.6.3 REST OF MIDDLE EAST & AFRICA

TABLE 171 REST OF MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (KILOTON)

TABLE 172 REST OF MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (KILOTON)

TABLE 173 REST OF MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2019–2022 (USD MILLION)

TABLE 174 REST OF MIDDLE EAST & AFRICA: ADVANCED CERAMICS MARKET, BY END-USE INDUSTRY, 2023–2028 (USD MILLION)

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 KEY DEVELOPMENTS IN ADVANCED CERAMICS MARKET

TABLE 175 COMPANIES ADOPTED INVESTMENT & EXPANSION AS IMPORTANT DEVELOPMENT STRATEGY

10.3 MARKET RANKING ANALYSIS

10.3.1 RANKING OF KEY MARKET PLAYERS

FIGURE 34 RANKING OF TOP FIVE PLAYERS IN ADVANCED CERAMICS MARKET, 2022

10.4 MARKET SHARE ANALYSIS

10.4.1 MARKET SHARE OF KEY PLAYERS, 2022

FIGURE 35 ADVANCED CERAMICS MARKET SHARE, BY COMPANY, 2022

TABLE 176 ADVANCED CERAMICS MARKET: DEGREE OF COMPETITION

10.5 REVENUE ANALYSIS OF TOP PLAYERS

TABLE 177 ADVANCED CERAMICS MARKET: REVENUE ANALYSIS (USD)

10.6 MARKET EVALUATION MATRIX

TABLE 178 MARKET EVALUATION MATRIX (2019–2023)

10.7 COMPANY EVALUATION MATRIX

10.7.1 STARS

10.7.2 EMERGING LEADERS

10.7.3 PERVASIVE PLAYERS

10.7.4 PARTICIPANTS

FIGURE 36 ADVANCED CERAMICS MARKET: COMPANY EVALUATION MATRIX, 2022

10.8 STARTUP/SMES EVALUATION MATRIX

10.8.1 PROGRESSIVE COMPANIES

10.8.2 RESPONSIVE COMPANIES

10.8.3 STARTING BLOCKS

10.8.4 DYNAMIC COMPANIES

FIGURE 37 ADVANCED CERAMICS MARKET (SMES): COMPANY EVALUATION MATRIX FOR SMES, 2022

10.8.5 STRENGTH OF PRODUCT PORTFOLIO

FIGURE 38 STRENGTH OF PRODUCT PORTFOLIO OF TOP PLAYERS IN ADVANCED CERAMICS MARKET (SMES)

10.9 COMPETITIVE BENCHMARKING

TABLE 179 ADVANCED CERAMICS MARKET: DETAILED LIST OF KEY SMES

10.9.1 COMPANY FOOTPRINT

10.9.2 COMPANY MATERIAL FOOTPRINT

10.9.3 COMPANY END-USE INDUSTRY FOOTPRINT

10.9.4 COMPANY REGION FOOTPRINT

10.10 COMPETITIVE SCENARIO

10.10.1 DEALS

TABLE 180 ADVANCED CERAMICS: DEALS, 2017–2022

10.10.2 OTHER DEVELOPMENTS

TABLE 181 OTHER DEVELOPMENTS, 2017–2022

10.10.3 PRODUCT LAUNCHES

TABLE 182 ADVANCED CERAMICS: PRODUCT LAUNCHES, 2017–2022

11 COMPANY PROFILES

11.1 MAJOR PLAYERS

(Business overview, Products/Solutions/Services offered, Recent developments, Deals, MnM view, Strategic choices, Key strengths, and Weaknesses & competitive threats)*

11.1.1 KYOCERA CORPORATION

TABLE 183 KYOCERA CORPORATION: COMPANY OVERVIEW

FIGURE 39 KYOCERA CORPORATION: COMPANY SNAPSHOT

TABLE 184 KYOCERA CORPORATION: PRODUCT OFFERED

TABLE 185 KYOCERA CORPORATION: DEALS

TABLE 186 KYOCERA CORPORATION: OTHER DEVELOPMENTS**11.1.2 CERAMTEC GMBH****TABLE 187 CERAMTEC GMBH: COMPANY OVERVIEW****TABLE 188 CERAMTEC GMBH: PRODUCT OFFERED****TABLE 189 CERAMTEC: NEW PRODUCT/TECHNOLOGY DEVELOPMENT****11.1.3 COORSTEK INC.****TABLE 190 COORSTEK: COMPANY OVERVIEW****TABLE 191 COORSTEK: PRODUCTS OFFERED****TABLE 192 COORSTEK: OTHER DEVELOPMENTS****11.1.4 SAINT-GOBAIN PERFORMANCE CERAMIC & REFRACTORIES****TABLE 193 SAINT-GOBAIN PERFORMANCE CERAMIC & REFRACTORIES:
COMPANY OVERVIEW****TABLE 194 SAINT-GOBAIN PERFORMANCE CERAMIC & REFRACTORIES:
PRODUCTS OFFERED****11.1.5 MORGAN ADVANCED MATERIALS****TABLE 195 MORGAN ADVANCED MATERIALS: COMPANY OVERVIEW****FIGURE 40 MORGAN ADVANCED MATERIALS: COMPANY SNAPSHOT****TABLE 196 MORGAN ADVANCED MATERIALS: PRODUCTS OFFERED****TABLE 197 MORGAN ADVANCED MATERIALS: DEALS****TABLE 198 MORGAN ADVANCED MATERIALS: OTHER DEVELOPMENTS****11.1.6 3M****TABLE 199 3M: COMPANY OVERVIEW****FIGURE 41 3M: COMPANY SNAPSHOT****TABLE 200 3M: PRODUCTS OFFERED****11.1.7 MARUWA****TABLE 201 MARUWA: COMPANY OVERVIEW****TABLE 202 MARUWA: PRODUCTS OFFERED****11.1.8 PAUL RAUSCHERT GMBH & CO. KG.****TABLE 203 PAUL RAUSCHERT GMBH & CO. KG.: COMPANY OVERVIEW****TABLE 204 PAUL RAUSCHERT GMBH & CO. KG.: PRODUCTS OFFERED****11.1.9 AGC CERAMICS****TABLE 205 AGC CERAMICS: COMPANY OVERVIEW****FIGURE 42 AGC: COMPANY SNAPSHOT****TABLE 206 AGC CERAMICS: PRODUCT OFFERED****11.1.10 ELAN TECHNOLOGY****TABLE 207 ELAN TECHNOLOGY: COMPANY OVERVIEW****TABLE 208 ELAN TECHNOLOGY: PRODUCTS OFFERED****11.2 OTHER PLAYERS****11.2.1 OERLIKON**

- 11.2.2 NISHIMURA ADVANCED CERAMICS CO., LTD
- 11.2.3 COI CERAMICS, INC.
- 11.2.4 TECHNO CERA INDUSTRIES
- 11.2.5 BCE SPECIAL CERAMICS GMBH
- 11.2.6 SUPERIOR TECHNICAL CERAMICS
- 11.2.7 MOMENTIVE TECHNOLOGIES
- 11.2.8 DYSON TECHNICAL CERAMICS
- 11.2.9 ORTECH ADVANCED CERAMICS
- 11.2.10 INTERNATIONAL SYALONS
- 11.2.11 BAKONY TECHNICAL CERAMICS
- 11.2.12 ADVANCED CERAMIC MATERIALS
- 11.2.13 MCDANEL ADVANCED CERAMIC TECHNOLOGIES
- 11.2.14 ADVANCED CERAMICS MANUFACTURING
- 11.2.15 BLASCH PRECISION CERAMICS
- 11.2.16 MATERION
- 11.2.17 FERROTEC

*Details on Business overview, Products/Solutions/Services offered, Recent developments, Deals, MnM view, Strategic choices, Key strengths, and Weaknesses & competitive threats might not be captured in case of unlisted companies.

12 APPENDIX

- 12.1 DISCUSSION GUIDE
- 12.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 12.3 CUSTOMIZATIONS OPTIONS
- 12.4 RELATED REPORTS
- 12.5 AUTHOR DETAILS

About

The report “Advanced Ceramics Market by Material, by Class, by Application, and by Region - Global Trends & Forecasts to 2020”, defines and segments the advanced ceramics market with analysis and forecast of the market size.

Advanced Ceramics market is projected to register a market size in terms of value of \$9.5 Billion by 2020, signifying firm annualized growth of 7% between 2015 and 2020.

The advanced ceramics market in Asia-Pacific is projected to register one of the fastest-growth mainly due to the presence of emerging economies such as China and India as well as emerging activities in the electronics, transportation, energy, and industrial sectors. Asia-Pacific is the biggest market for advanced ceramics, and accounted for a share of around 40% of the global market share in terms of value in 2014 which was majorly contributed by China. It is also estimated that China is the fastest-growing market for advanced ceramics in the region owing to growing population, vast economies—developed as well as developing, favorable investment policies, and government initiatives to promote industrial growth.

The advanced ceramic coatings are the fastest growing product of advanced ceramics. Asia-Pacific and North America are currently the largest consumers of ceramic coatings, and accounted for a share of about 15% of the total market size in 2014. Ceramic matrix composites offer better corrosion resistance than other metals that offers decreased maintenance and costs for various end industries such as electronics, automotive, aerospace and military & defence.

The electronics industry is one of the largest end-user industries of advanced ceramics and this trend is projected to continue in the near future. Asia-Pacific is the biggest market for electronics industry, and accounted for a share of more than 40% of the total market size in 2014. It is also estimated that China followed by Japan, South Korea, and India are the fast-growing markets of advanced ceramics for electronics industry in the region.

I would like to order

Product name: Advanced Ceramics Market by Material (Alumina, Zirconia, Titanate, Silicon Carbide), Application, End-Use Industry (Electrical & Electronics, Transportation, Medical, Defense & Security, Environmental, Chemical) and Region - Global Forecast to 2028

Product link: <https://marketpublishers.com/r/A347375293FEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A347375293FEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970