

2018-2023 Global Transparent Ceramics Consumption Market Report

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Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Transparent Ceramics market for 2018-2023. Transparent ceramics, a new class of advanced functional materials, find diverse applications in strategic and civilian sectors owing to its unique combination of mechanical and transmission properties. Technological advancements in ceramic powder synthesis, shaping and sintering have made it possible to tailor the microstructural, mechanical and optical property relationships in case of advanced transparent ceramic materials. Transparent ceramic materials are classified broadly as visible, mid wave and long wave infrared regions. The transparent ceramic systems, which are explored currently, include ALON Transparent Ceramics, Sapphire Transparent Ceramics, Yttria Transparent Ceramics, Spinel Transparent Ceramics, YAG transparent ceramics and so on.

Transparent ceramics are proving to be a promising alternative to traditional glass technologies and single-crystal technologies in various diverse application fields such as high-energy radiation detection, infrared domes, lasers, optical fibers, and armors. U.S. was the largest market for transparent ceramics market globally, with a share exceeding 58% in 2016. Growing use of the product owing to its superior characteristics has been fueling growth of the market in this region.

A critical factor for growth in Asia region is availability of raw materials at lower prices coupled with the presence of large number of suppliers and producers. China is anticipated to lead growth of the Asia Pacific market over the next six years.

Over the next five years, LPI(LP Information) projects that Transparent Ceramics will register a 18.5% CAGR in terms of revenue, reach US\$ 730 million by 2023, from US\$

260 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Transparent Ceramics market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

ALON Transparent Ceramics

Sapphire Transparent Ceramics

Yttria Transparent Ceramics

Spinel Transparent Ceramics

YAG Transparent Ceramics

Other

Segmentation by application:

Transparent Armor

Domes and Windows

Sensors & Instrumentation

Other (Lighting, Lens, etc)

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

CoorsTek

CeramTec ETEC

Surmet Corporation

II-VI Optical Systems

Konoshima Chemicals

CeraNova

Bright Crystals Technology

Shanghai SICCAS

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Transparent Ceramics consumption (value &

volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Transparent Ceramics market by identifying its various subsegments.

Focuses on the key global Transparent Ceramics manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Transparent Ceramics with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Transparent Ceramics submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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