+44 20 8123 2220
info@marketpublishers.com

Ceramic Armor Market Size, Share & Trends Analysis Report By Material (Ceramic-metal Composite, Silicon Carbide), By Application (Body, Aircraft, Defense, Marine), By Platform, And Segment Forecasts, 2018 - 2025

https://marketpublishers.com/r/C939C73C955EN.html
Date: April 2018
Pages: 130
Price: US$ 4,950.00 (Single User License)
ID: C939C73C955EN

Abstracts

This report can be delivered to the clients within Immediate

The global ceramic armor market size is estimated to reach USD 3.04 billion by 2025, according to a new report by Grand View Research, Inc., presenting a 7.2% CAGR during the forecast period. The market is driven by increasing unrest among countries, cross-border disputes, and terrorist activities, which creates the need for advanced protection systems for soldiers as well as combat vehicles. Advancements in material technologies and manufacturing techniques are driving adoption of ceramic as armor materials.

The use of ceramic armor is governed by various acts and regulations, led by organizations such as Underwriters Laboratories (UL), National Institute of Justice (NIJ), and United States Department of Defense (DoD). Design and testing standards are developed to investigate the level of intensity that a body armor can withstand against threats. Manufacturers and vendors selling ceramic body armor need to comply with these standards.

Based on material, the alumina material segment accounts for a relatively larger market share due to its inexpensive processing and higher density. By application, the homeland security segment is estimated to exhibit the highest growth rate over the forecast period. Demand for ceramic armor in defense is attributed to the emerging trend of upgrading military equipment. Surging need for safeguarding military personnel

is encouraging large-scale procurement of body vests across the globe.

By way of platform, the market has been categorized into defense, homeland security, and civilians. While the civilian application segment has witnessed comparatively slower adoption of body armor, growing rate of terrorism across the globe has driven adoption in the homeland security segment.

North America acquired the largest market share in 2016, primarily owing to rising investments by defense agencies in performance products to increase and maintain its military strength. The prevailing insurgency in Middle Eastern countries is expected to increase the sale of armored vehicles in the region. Saudi Arabia and UAE are potential customers for armor vehicle manufacturers owing to their involvement in military operations in Yemen.

Some key participants operating in the industry are Ceradyne (U.S.); Saint Gobain Ceramics & Plastics (U.S.); ArmorWorks (U.S.); CeramTec (Germany); CoorsTek Inc. (U.S.); Koninklijke Ten Cate BV (Netherlands); M Cubed Technologies(U.S.); Olbo & Mehler (Germany); Safariland LLC (U.S.); and KDH Defense Systems, Inc.(U.S.).

The development of ceramic armors is backed by government support to protect sovereign capabilities. For instance, the Defense & Science Technology Laboratory (DSTL) of the UK Ministry of Defense is working in collaboration with Kennametal Manufacturing UK to increase the ceramic armor capabilities of its defense unit.

Further key findings from the report suggest:

- Silicon carbide is widely used in body and defense armor owing to its properties such as high strength and hardness to withstand advanced threats

- Armored vehicles are the primary application for ceramic metal composites as they provide enhanced strength and ballistic properties to the vehicle

- Increasing trend of providing body armor to first responders across U.S. and European countries is expected to support market growth over the forecast period

- Growth of the homeland security segment is driven by lack of government body armor supplies to police personnel in emerging economies such as India and Pakistan

+44 20 8123 2220
info@marketpublishers.com

North America dominated the global ceramic armor market, accounting for more than one-third of the total market in terms of revenue in 2016.

+44 20 8123 2220
info@marketpublishers.com

Contents

CHAPTER 6 CERAMIC ARMOR MARKET: PLATFORM ESTIMATES & TREND ANALYSIS

CHAPTER 7 CERAMIC ARMOR MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

+44 20 8123 2220
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+44 20 8123 2220
info@marketpublishers.com

List Of Figures

LIST OF FIGURES

I would like to order

Product name: Ceramic Armor Market Size, Share & Trends Analysis Report By Material (Ceramic-metal Composite, Silicon Carbide), By Application (Body, Aircraft, Defense, Marine), By Platform, And Segment Forecasts, 2018 - 2025

Product link: https://marketpublishers.com/r/C939C73C955EN.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/C939C73C955EN.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

Custumer 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