Market Size for Ceramic Armor Forecasted at $3.04B by 2025*

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Advanced Ceramics

According to Grand View Research, Inc. the global market for ceramic armor is expected to reach $3.04B USD by 2025. This represents a 7.2% CAGR for the period forecasted. Increasing unrest between countries is driving the global market, along with terrorism and cross-border disputes. Today's reality is that soldiers and combat vehicles need more advanced protection to keep them safe. Advancements in manufacturing and material technologies are driving the use of ceramic in armor.

A number of acts and regulations, which have been spearheaded by Underwriters Laboratories (UL), U.S. Department of Defense (DoD) and National Institute of Justice (NIJ) govern the use of armor made of ceramic. All body armor must comply with certain standards of testing and design. These have been carefully developed to determine the level of threat that the particular body armor can effectively withstand. Ceramic body armor manufacturers and vendors must adhere to these standards.

Because alumina has higher density and is relatively inexpensive to work with, this material segment has a larger market share. In terms of application, homeland security is expected to experience the highest growth rate over the period forecasted. The need to upgrade military equipment is driving the demand for ceramic armor for use in defense. An increase in the need to protect military personnel has led to huge orders being placed across the world for body armor vests.

In terms of platform, the body armor market has been divided into three different categories: homeland security, defense and civilians. The civilian application category has been slower to adopt

body armor. However, the increase in terrorist activities around the world is driving the adoption of body armor in the homeland security category.

North America had the largest market share for body armor in 2016. This was due to the increase in investment by various defense agencies for products to maintain and increase its military strength and performance. The ongoing terrorist activity in Middle Eastern countries will likely increase the number of armored vehicles being sold in the region. The governments of UAE and Saudi Arabia are likely customers for companies manufacturing armor vehicles due to their military involvement in Yemen.

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

Government support is behind the development and manufacturing of ceramic armors for the protection of sovereign military capabilities. For example, the UK Defense & Science Technology Laboratory (DSTL), which is part of the Ministry of Defense, is collaborating with Kennametal Manufacturing UK to increase its defense unit's ceramic armor capabilities.

Body Armor Manufacturers

In addition to news and developments in the body armor industry we are also centralizing information on all body armor manufacturers right here. This resource can be used for numerous purposes and will be updated on a regular basis. If you would like to add your company or report a body armor manufacturer that is not listed please contact us.

Achidatex Nazareth Elite
Alpine Armoring
American Body Armor
Angel Armor
Anorak Hellas Ltd.
ARGUS Armour
Armor Holdings
Armored Solutions, Inc.
Armorshield
Atlantic armor
AR500 armor
Be Safe International
Bodyguard Inc.
Covert Armor
C.P.E. Production
Craig International Ballistics
CQC
Defenshield Inc.
Diamond Age
EnGarde body armor
eYe body armor
First Choice Armor and Equipment
Force One LLC
Gator Hawk Armor Inc.
Gall's Inc. Global Armour Highmark
General Armour
Global Armour
Hellweg International
Highcom Amor
Lifetek Armor Inc.
PACA
Pacific Safety Products
Pinnacle Armor
Point Blank body armor manufacturer
PPSS Group
Protection Group Danmark
Protective Products International
PT Armor Inc.
Rhino Armor Ballistics
Safariland Armorwear
Safe Life Defense
Second Chance Armor, Inc.

Security Pro USA
Siamidis
Survival armor
Tall Coat
Tarntex
T.G. Faust
Tote Systems Australia Pty Ltd
United Shield International
Vestguard
ZAHAL
Zayler Targeting Systems