

Ballistic Protection Material Market Set for a 7.4% CAGR, Projecting a Valuation of US\$ 31,135.2 Million by 2033

Rising security threats propel robust growth in the global ballistic protection materials market, fueled by surging demand for advanced protective solutions.



NEWARK, DELAWARE, UNITED STATES OF AMERICA, February 1, 2024 /EINPresswire.com/ -- The global [ballistic protection material market](#) is poised for significant growth, with a forecasted increase in value from US\$ 15,330.8 million in 2023 to US\$ 31,135.2 million by 2033. This ten-year projection anticipates a robust Compound Annual Growth Rate (CAGR) of 7.4%, reflecting the escalating demand for ballistic protection materials worldwide.

The [market for ballistic protection materials](#) is predicted to expand around 2.0X through 2033. This growth is attributed to increasing cross-border tensions and conflicts in numerous countries.

Demand remains exceptionally high for aramid fibers like Kevlar, owing to their excellent properties, including lightweight and high strength. The target segment is anticipated to register a CAGR of 7.9% during the forecast period.

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The expanding defense budgets globally serve as a driving force for the ballistic protection material market. Similarly, increasing the allocation of funds toward enhancing military capabilities propels the demand for advanced armor solutions.

Global civilian safety equipment demand is rising due to growing concerns about threats from terrorists and criminals. This, in turn, is expected to drive growth of the ballistic protection material market.

Civilians are increasingly proactive in protecting themselves, leading to expansion in the market for body armor, helmets, and vehicle armor. This trend signifies a global societal shift towards prioritizing personal safety and security.

The growing need for ballistic protection in the defense sector offers substantial opportunities for market expansion. This is propelled by a surge in defense spending and increasing national conflicts.

A variety of ballistic protection equipment, such as shields, gloves, helmets, protective vests, shoes, and jackets, are employed to enhance defense operations against chemical explosions. Rising products and usage of these equipment are set to uplift demand for ballistic protection materials.

Key Takeaways from the Report

The global market for ballistic protection materials is projected to thrive at a 7.4% CAGR through 2033.

By material type, the aramid fibers segment is expected to total US\$ 14,004.1 million by 2033.

North America is expected to account for a significant market share of about 37.7% in 2033.

The United States industry value is anticipated to reach US\$ 11,289.8 million by 2033.

China is projected to attain a valuation of US\$ 4,880.5 million by 2033.

Demand in India is predicted to rise at 9.3% CAGR through 2033.

"The ballistic protection material industry is poised to rise robustly amid growing geopolitical tensions and the evolving threat of terrorism. Military modernization programs and the imperative for law enforcement agencies to enhance officer safety will also contribute to the increasing demand for ballistic protection materials," says Nikhil Kaitwade (Associate Vice President at Future Market Insights, Inc.).

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Ballistic Protection Material Market Top Players

Honeywell International Inc.

DuPont

TEIJIN Ltd.

Rheinmetall AG

TenCate Protective Fabrics

Kolon Industries Inc.

BAE Systems

Rochling Group

Morgan Advanced Materials Plc.

Beijing Tongyizhong New Material Technology Corporation

Dexcra

FY-Composites Oy

Final Advanced Materials

Key players are focusing on developing innovative materials with enhanced features like lightweight and high strength to boost their sales. They also adopt strategies like facility expansions, mergers, collaborations, partnerships, and acquisitions to expand their presence and stay ahead of the competition.

Recent Development-

In October 2023, Dyneema unveiled its next-generation unidirectional (UD) material innovation to enhance the safety and mobility of military forces and law enforcement officers.

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Ballistic Protection Material Market Segmentation

By Material Type:

- Aramid Fibers
- Polyethylene (PE)
- Composite Ceramics
- Glass Fiber Reinforced Plastics (GFRP)
- Steel and Titanium Alloys
- Others

By Armor Type:

- Soft
- Hard

By Application:

- Body Armor
- Vehicle Armor
- Aircraft Armor
- Marine Armor
- Helmets and Face Protection
- Others

By End-use:

- Military and Defense

Law Enforcement
Civilians

By Region:

North America
Latin America
Western Europe
Eastern Europe
East Asia
South Asia & Pacific
Middle East & Africa

Author

Nikhil Kaitwade (Associate Vice President at Future Market Insights, Inc.) has over a decade of experience in market research and business consulting. He has successfully delivered 1500+ client assignments, predominantly in Automotive, Chemicals, Industrial Equipment, Oil & Gas, and Service industries.

His core competency circles around developing research methodology, creating a unique analysis framework, statistical data models for pricing analysis, competition mapping, and market feasibility analysis. His expertise also extends wide and beyond analysis, advising clients on identifying growth potential in established and niche market segments, investment/divestment decisions, and market entry decision-making.

Nikhil holds an MBA degree in Marketing and IT and a Graduate in Mechanical Engineering. Nikhil has authored several publications and quoted in journals like EMS Now, EPR Magazine, and EE Times.

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The [aramid fiber market size](#) is projected to be worth US\$ 4 billion in 2023. The market is likely to reach US\$ 6.8 billion by 2033. The market is further expected to surge at a CAGR of 5.5% from 2023 to 2033.

About Future Market Insights (FMI)

Future Market Insights, Inc. (ESOMAR certified, recipient of the Stevie Award, and a member of the Greater New York Chamber of Commerce) offers profound insights into the driving factors that are boosting demand in the market. FMI stands as the leading global provider of market intelligence, advisory services, consulting, and events for the Packaging, Food and Beverage, Consumer Technology, Healthcare, Industrial, and Chemicals markets. With a vast team of over

5000 analysts worldwide, FMI provides global, regional, and local expertise on diverse domains and industry trends across more than 110 countries.

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