

Armor Materials Market Size, Share, Competitive Landscape and Trend Analysis Report

The Business Research Company's Armor Materials Global Market Report 2025 – Market Size, Trends, And Global Forecast 2025-2034

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Armor Materials Global Market Report 2025

How Large Will The [Armor Materials Market](#) Be By 2025?

The market size for armor materials has experienced robust growth in the past few years. It's

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expected to increase from \$12.93 billion in 2024 to \$13.73 billion in 2025, with a compound annual growth rate (CAGR) of 6.2%. The historic period's growth can be ascribed to factors such as military conflicts and warfare, emphasis on soldier safety, regulatory standards and requirements, strategic geopolitical shifts, and the need for protection for vehicles and equipment.

The market for armor materials is forecasted to experience significant expansion in the coming years. It is projected to soar to \$17.33 billion by 2029 with a 6.0% compound

annual growth rate (CAGR). Various factors such as escalating defense budgets, mounting security issues, prioritizing soldier safety, the shift to urban combat, and military modernization initiatives pave the way for growth during the forecast period. Key developments during this period encompass research and development in material science, concentration on sustainability and environmental footprint, inclusion of sensor technologies, a changing threat scene, and the uptake of additive manufacturing.

Download a free sample of the armor materials market report:

What Are The Major Driving Forces Influencing The Armor Materials Market Landscape?

The surge in terrorist threats is projected to fuel the expansion of the armor material market. A terrorist menace is associated with acts of aggression that recklessly endangers others. High-strength armor substances are employed to protect bearers against projectiles, such as bullets, shell fragments, and knives during terrorist assaults or other critical circumstances. As a result, the rising terrorist hazard will augment the demand for the armor material market. For instance, in August 2024, as per a study issued by the Australian Strategic Policy Institute (ASPI), an Australian non-profit entity, the risk level for terrorism in Australia has escalated to 'probable.' This signifies more than a 50% chance of a terrorist attacks happening within the forthcoming year. Consequently, the mounting terrorist menace is propelling the growth of the armor material market.

Who Are The Top Players In The Armor Materials Market?

Major players in the Armor Materials Global Market Report 2025 include:

- DuPont de Nemours Inc.
- Honeywell International Inc.
- 3M Company
- Saab AB
- Compagnie de Saint-Gobain S.A.
- Teijin Aramid B.V.
- Koninklijke Ten Cate BV.
- CeramTec GmbH
- CoorsTek Inc.
- Morgan Advanced Materials plc

What Are The Key Trends Shaping The [Armor Materials Industry](#)?

The growing trend of product innovation is dominating the armor materials market. The main companies in this market are driving their attention towards the creation of new products. For example, DuPont, a technology-based materials and solutions company based in the US, introduced Kevlar EXO, a new generation of aramid fiber in April 2023. The unique characteristics of Kevlar EXO allows it to surpass other aramid fibers in terms of ballistic performance, without increasing its weight. This allows for the development of the most advanced, lightweight ballistic soft armor solutions available on the market. Its inherent resistance to heat and flame ensures it will not melt or ignite up to a temperature of 500 °C (932 °F). This marks a significant milestone in aramid fiber technology and has set up a new tech-based platform designed to support a variety of applications where superior protection and performance is required under challenging conditions.

Market Share And Forecast By Segment In The Global Armor Materials Market

The armor materials market covered in this report is segmented –

- 1) By Material Type: Metals And Alloys, Composites, Para-Aramid Fiber, UHMWPE (Ultra-High-

Molecular-Weight Polyethylene), Fiberglass, Other Materials

2) By Product Type: Vest, Helmets, Other Products

3) By Protection: Level II, Level IIA, Level III, Level IIIA, Level IV

4) By Application: Vehicle Armor, Aerospace Armor, Body Armor, Civil Armor, Marine Armor

5) By End-User: Defense, Law Enforcement And Security Personnel, Civilians

Subsegments:

1) By Metals And Alloys: Steel Alloys, Aluminum Alloys, Titanium Alloys

2) By Composites: Ceramic Composites, Carbon Fiber Composites, Hybrid Composites

3) By Para-Aramid Fiber: Kevlar, Twaron, Other Para-Aramid Variants

4) By UHMWPE: Sheet UHMWPE, Fiber UHMWPE, UHMWPE Composites

5) By Fiberglass: E-Glass Fiberglass, S-Glass Fiberglass, Specialty Fiberglass Reinforcements

6) By Other Materials: Polycarbonate, Rubberized Materials, Organic Fiber Materials

View the full armor materials market report:

<https://www.thebusinessresearchcompany.com/report/armor-materials-global-market-report>

Armor Materials Market Regional Insights

In the Armor Materials Global Market Report 2025, North America was identified as the leading region in 2024 and is forecasted to exhibit the most rapid growth. The report comprehensively covers various regions which include Asia-Pacific, Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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