

Armor Materials Market by Materials Type (Metals & Alloys, Ceramics, Composites, Para-Aramid Fibers, UHMWPE, Fiberglass), Application (Vehicle, Aerospace, Body, Civil, Marine), & Region (Asia Pacific, North America, Europe, South America) – Global Forecast to 2027

<https://marketpublishers.com/r/A6C34FAC88CEN.html>

Date: April 2023

Pages: 263

Price: US\$ 4,950.00 (Single User License)

ID: A6C34FAC88CEN

Abstracts

In terms of value, the armor materials market is estimated to grow from USD 11.0 billion in 2021 to USD 16.1 billion by 2027, at a CAGR of 6.6%. The growth of the automotive and aerospace industries is also driving the demand for armor materials. Manufacturers are developing new materials and technologies to improve the safety and security of vehicles and aircraft.

“Para-aramid fiber is expected to be the fastest-growing material type of the armor materials market, in terms of value, during the forecast period.”

The para-aramid fibers segment is expected to witness the highest growth in terms of volume and value during the forecast period. Para-aramid fibers show high tensile strength at low stretching. Due to this it offers excellent ballistic protection properties against a variety of bullet types. It also produces exceptional melt-resistance against exposure to extreme heat or fire and remarkable survival from chemical contact.

“Asia Pacific is projected to be the fastest growing region, in terms of value, during the forecast period is the largest armor materials market.”

Due to an increase in warfare activities, the Asia Pacific armor materials market is projected to grow at highest CAGR during the forecast period. Additionally, it is

anticipated that the upgrading of military programs in nations like China, Japan, and South Korea will fuel demand for materials for vehicle and aircraft armor.

By Company Type: Tier 1 - 69%, Tier 2 - 23%, and Tier 3 - 8%

By Designation: C-Level - 23%, Director Level - 37%, and Others - 40%

By Region: North America - 32%, Europe - 21%, Asia Pacific - 28%, South America and Middle East & Africa - 12%, South America – 7%

The key players profiled in the report include DuPont De Nemours, Inc. (US), Teijin Limited (Japan), 3M Company (US), ATI, Inc. (US), and Honeywell International Inc. (US), Saint-Gobain SA (France), Tata Steel Limited (India), and Alcoa Corporation (US).

Research Coverage

This report segments the market for armor materials based on materials type, application, and region and provides estimations of volume (kiloton) and value (USD million) for the overall market size across various regions. A detailed analysis of key industry players has been conducted to provide insights into their business overviews, services, key strategies, associated with the market for armor materials.

Reasons to Buy this Report

This research report is focused on various levels of analysis — industry analysis (industry trends), market share analysis of top players, and company profiles, which together provide an overall view on the competitive landscape; emerging and high-growth segments of the armor materials market; high-growth regions; and market drivers, restraints, and opportunities.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on armor materials offered by top players in the global market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the armor materials market

Market Development: Comprehensive information about lucrative emerging markets — the report analyzes the markets for armor materials across regions

Market Diversification: Exhaustive information about new products, untapped regions, and recent developments in the global armor materials market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and manufacturing capabilities of leading players in the armor materials market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.2.1 ARMOR MATERIALS MARKET: INCLUSIONS & EXCLUSIONS

1.2.2 ARMOR MATERIALS MARKET: DEFINITIONS AND INCLUSIONS, BY MATERIAL TYPE

1.2.3 ARMOR MATERIAL MARKET: DEFINITIONS AND INCLUSIONS, BY APPLICATION

1.3 MARKET SCOPE

FIGURE 1 ARMOR MATERIALS MARKET SEGMENTATION

1.4 REGIONS COVERED

1.5 YEARS CONSIDERED

1.6 CURRENCY

1.7 UNITS CONSIDERED

1.8 STAKEHOLDERS

1.9 SUMMARY OF CHANGES

1.9.1 IMPACT OF RECESSION

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 ARMOR MATERIALS MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.2 PRIMARY DATA

2.1.2.1 Primary interviews – demand and supply sides

2.1.2.2 Key industry insights

2.1.2.3 Breakdown of primary interviews

2.2 MARKET SIZE ESTIMATION

2.2.1 BOTTOM-UP APPROACH

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1 (SUPPLY SIDE) - COLLECTIVE REVENUE OF COMPANIES

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1 - BOTTOM-UP (SUPPLY SIDE) - COLLECTIVE REVENUE OF ALL PRODUCTS

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 2 – BOTTOM-UP (DEMAND SIDE) - PRODUCTS SOLD

2.3 DATA TRIANGULATION

FIGURE 6 ARMOR MATERIALS MARKET: DATA TRIANGULATION**2.4 GROWTH RATE ASSUMPTIONS/GROWTH FORECASTS****2.4.1 SUPPLY SIDE****FIGURE 7 MARKET CAGR PROJECTIONS FROM SUPPLY SIDE****2.4.2 DEMAND SIDE****FIGURE 8 MARKET GROWTH PROJECTIONS FROM DEMAND-SIDE DRIVERS AND OPPORTUNITIES****2.5 FACTOR ANALYSIS****2.6 LIMITATIONS****2.7 RISK ASSESSMENT****TABLE 1 ARMOR MATERIALS MARKET: RISK ASSESSMENT****2.8 RESEARCH ASSUMPTIONS****3 EXECUTIVE SUMMARY****FIGURE 9 VEHICLE ARMOR PROJECTED TO BE LARGEST APPLICATION DURING FORECAST PERIOD****FIGURE 10 METALS & ALLOYS TO BE LEADING ARMOR MATERIAL TYPE****FIGURE 11 NORTH AMERICA LED ARMOR MATERIALS MARKET IN 2021****4 PREMIUM INSIGHTS****4.1 SIGNIFICANT OPPORTUNITIES IN ARMOR MATERIALS MARKET****FIGURE 12 RISING MILITARY SPENDING IN DEVELOPING ECONOMIES ALONG WITH MILITARY MODERNIZATION PROGRAMS TO DRIVE MARKET****4.2 ARMOR MATERIALS MARKET IN NORTH AMERICA, BY COUNTRY AND APPLICATION, 2021****FIGURE 13 US AND VEHICLE ARMOR ACCOUNTED FOR LARGEST MARKET SHARES****4.3 ARMOR MATERIALS MARKET, BY MATERIAL TYPE****FIGURE 14 METALS & ALLOYS TO BE LARGEST SEGMENT DURING FORECAST PERIOD****4.4 ARMOR MATERIALS MARKET, BY REGION AND APPLICATION, 2021****FIGURE 15 VEHICLE ARMOR ACCOUNTED FOR LARGEST MARKET SHARE ACROSS REGIONS IN 2021****4.5 ARMOR MATERIALS MARKET, BY KEY COUNTRY****FIGURE 16 INDIA TO BE FASTEST-GROWING MARKET****5 MARKET OVERVIEW**

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 17 OVERVIEW OF FACTORS GOVERNING ARMOR MATERIALS MARKET

5.2.1 DRIVERS

5.2.1.1 Increasing security concerns in developing countries

5.2.1.2 Growing demand for homeland security

5.2.1.3 Development of lethal ammunition and weapons

5.2.2 RESTRAINTS

5.2.2.1 Government regulations over production capacity and supply chain

5.2.2.2 Failure to provide complete protection

5.2.3 OPPORTUNITIES

5.2.3.1 Military modernization programs

5.2.3.2 Need for lightweight armor

5.2.3.3 Changing battlefield scenario

5.2.4 CHALLENGES

5.2.4.1 Development of explosive reactive armor systems

5.2.4.2 High cost of lightweight armor materials

5.3 PORTER'S FIVE FORCES ANALYSIS

FIGURE 18 PORTER'S FIVE FORCES ANALYSIS OF ARMOR MATERIALS MARKET

5.3.1 THREAT OF SUBSTITUTES

5.3.2 THREAT OF NEW ENTRANTS

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

TABLE 2 ARMOR MATERIALS MARKET: PORTER'S FIVE FORCES ANALYSIS

5.4 KEY STAKEHOLDERS AND BUYING CRITERIA

5.4.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 19 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS

TABLE 3 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE APPLICATIONS (%)

5.4.2 BUYING CRITERIA

FIGURE 20 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

TABLE 4 KEY BUYING CRITERIA FOR TOP THREE APPLICATIONS

5.5 PRICING ANALYSIS

5.5.1 AVERAGE SELLING PRICE OF KEY PLAYERS, BY MATERIAL TYPE

FIGURE 21 AVERAGE SELLING PRICES OF KEY PLAYERS FOR TOP THREE MATERIAL TYPES

TABLE 5 AVERAGE SELLING PRICES OF KEY PLAYERS FOR TOP THREE MATERIAL TYPES (USD/KG)

5.5.2 AVERAGE SELLING PRICE, BY REGION

FIGURE 22 AVERAGE SELLING PRICES OF ARMOR MATERIALS, BY REGION, 2020-2027

TABLE 6 AVERAGE SELLING PRICES OF ARMOR MATERIALS, BY REGION, 2020–2027 (USD/KG)

6 INDUSTRY TRENDS

6.1 SUPPLY CHAIN ANALYSIS

FIGURE 23 ARMOR MATERIALS MARKET: SUPPLY CHAIN

6.1.1 RAW MATERIALS

6.1.2 MANUFACTURING OF ARMOR MATERIALS

6.1.3 DISTRIBUTION TO END USERS

6.2 TRENDS/DISRUPTIONS IMPACTING CUSTOMER'S BUSINESS

6.2.1 REVENUE SHIFTS & REVENUE POCKETS FOR ARMOR MATERIAL MANUFACTURERS

FIGURE 24 REVENUE SHIFT FOR ARMOR MATERIALS MARKET

6.3 ECOSYSTEM/MARKET MAP

FIGURE 25 ARMOR MATERIALS MARKET: ECOSYSTEM

TABLE 7 ARMOR MATERIALS MARKET: ECOSYSTEM

6.4 CASE STUDIES

6.4.1 ARMOR MATERIAL USED TO DEVELOP ARMORED CARS

6.4.2 ARAMID FIBER USED FOR FLAME-RESISTANT COMFORT WEAR

6.5 TECHNOLOGY ANALYSIS

6.5.1 INFLUENCE OF GEOMETRY AND HARDNESS OF BACKING PLATE ON BALLISTIC PERFORMANCE

6.6 MACROECONOMIC INDICATORS

6.6.1 GDP TRENDS AND FORECASTS FOR MAJOR ECONOMIES

TABLE 8 GDP TRENDS AND FORECASTS, BY MAJOR ECONOMY, 2020–2027 (USD BILLION)

6.7 TRADE DATA

6.7.1 IMPORT SCENARIO OF ARMOR MATERIALS

FIGURE 26 ARMOR MATERIAL IMPORTS, BY KEY COUNTRY, 2013-2021

TABLE 9 ARMOR MATERIAL IMPORTS, BY REGION, 2013–2021 (USD MILLION)

6.7.2 EXPORT SCENARIO OF ARMOR MATERIALS

FIGURE 27 ARMOR MATERIAL EXPORTS, BY KEY COUNTRY, 2013–2021

TABLE 10 ARMOR MATERIAL EXPORTS, BY REGION, 2013-2021 (USD MILLION)

6.8 TARIFF & REGULATORY LANDSCAPE AND ITS IMPACT ON ARMOR MATERIALS MARKET

6.8.1 REGULATORY BODIES, GOVERNMENT AGENCIES AND ORGANIZATIONS

6.8.2 REGULATIONS RELATED TO ARMOR MATERIALS MARKET

6.9 KEY CONFERENCES & EVENTS IN 2023

TABLE 11 ARMOR MATERIALS MARKET: DETAILED LIST OF CONFERENCES & EVENTS

6.10 PATENT ANALYSIS

6.10.1 APPROACH

6.10.2 DOCUMENT TYPE

TABLE 12 PATENT STATUS AND COUNT

FIGURE 28 PATENTS REGISTERED IN ARMOR MATERIALS MARKET, 2011–2021

FIGURE 29 PATENT PUBLICATION TRENDS, 2011–2020

FIGURE 30 LEGAL STATUS OF PATENTS FILED IN ARMOR MATERIALS MARKET

6.10.3 JURISDICTION ANALYSIS

FIGURE 31 MAXIMUM PATENTS FILED IN JURISDICTION OF CHINA

6.10.4 TOP APPLICANTS

FIGURE 32 THE BOEING COMPANY REGISTERED MAXIMUM NUMBER OF PATENTS BETWEEN 2011 AND 2021

TABLE 13 LIST OF PATENTS BY NANJING BENZHI CHEMICAL CO., LTD.

TABLE 14 TOP 10 PATENT OWNERS IN US, 2011-2021

7 ARMOR MATERIALS MARKET, BY MATERIAL TYPE

7.1 INTRODUCTION

FIGURE 33 PARA-ARAMID FIBER SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 15 ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (USD MILLION)

TABLE 16 ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (USD MILLION)

TABLE 17 ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (KILOTON)

TABLE 18 ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (KILOTON)

7.2 METALS & ALLOYS

7.2.1 DEMAND FOR LIGHTWEIGHT ALLOYS TO LEAD TO REPLACEMENT OF BALLISTIC STEEL

7.2.1.1 High-density steel

7.2.1.2 Aluminum

7.2.1.3 Titanium

TABLE 19 LIST OF METAL RAW MATERIALS USED IN DEFENSE APPLICATIONS

TABLE 20 METALS & ALLOYS: ARMOR MATERIALS MARKET, BY REGION,
2017–2020 (USD MILLION)TABLE 21 METALS & ALLOYS: ARMOR MATERIALS MARKET, BY REGION,
2021–2027 (USD MILLION)TABLE 22 METALS & ALLOYS: ARMOR MATERIALS MARKET, BY REGION,
2017–2020 (KILOTON)TABLE 23 METALS & ALLOYS: ARMOR MATERIALS MARKET, BY REGION,
2021–2027 (KILOTON)

7.3 CERAMICS

7.3.1 HIGH BALLISTIC RESISTANCE, LOW WEIGHT, AND DURABILITY TO FUEL
DEMAND FOR CERAMICS IN BODY ARMOR

7.3.1.1 Aluminum oxide

7.3.1.2 Silicon carbide

7.3.1.3 Boron carbide

TABLE 24 CERAMICS: ARMOR MATERIALS MARKET, BY REGION, 2017–2020
(USD MILLION)TABLE 25 CERAMICS: ARMOR MATERIALS MARKET, BY REGION, 2021–2027
(USD MILLION)TABLE 26 CERAMICS: ARMOR MATERIALS MARKET, BY REGION, 2017–2020
(KILOTON)TABLE 27 CERAMICS: ARMOR MATERIALS MARKET, BY REGION, 2021–2027
(KILOTON)

7.4 COMPOSITES

7.4.1 HIGH MECHANICAL STRENGTH AND STIFFNESS TO CONTRIBUTE TO
DEMAND FOR COMPOSITES

7.4.1.1 Fibers

7.4.1.2 Fabrics

7.4.1.3 Matrix materials

7.4.1.4 Prepregs

7.4.1.5 Hybrid composites

7.4.1.6 3D composites

TABLE 28 COMPOSITES: ARMOR MATERIALS MARKET, BY REGION, 2017–2020
(USD MILLION)TABLE 29 COMPOSITES: ARMOR MATERIALS MARKET, BY REGION, 2021–2027
(USD MILLION)

TABLE 30 COMPOSITES: ARMOR MATERIALS MARKET, BY REGION, 2017–2020

(KILOTON)

TABLE 31 COMPOSITES: ARMOR MATERIALS MARKET, BY REGION, 2021–2027

(KILOTON)

7.5 PARA-ARAMID FIBER

7.5.1 PARA-ARAMID FIBER TO WITNESS DEMAND DUE TO ULTRA-HIGH STRENGTH

TABLE 32 PARA-ARAMID FIBER: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 33 PARA-ARAMID FIBER: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 34 PARA-ARAMID FIBER: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 35 PARA-ARAMID FIBER: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

7.6 ULTRA-HIGH-MOLECULAR-WEIGHT POLYETHYLENE (UHMWPE)

7.6.1 SHOCK ABSORPTION PROPERTIES IN BODY ARMOR TO FUEL DEMAND

TABLE 36 UHMWPE: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 37 UHMWPE: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 38 UHMWPE: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 39 UHMWPE: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

7.7 FIBERGLASS

7.7.1 FAVORABLE PROPERTIES IN BALLISTIC APPLICATIONS TO INFLUENCE DEMAND

TABLE 40 FIBERGLASS: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 41 FIBERGLASS: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 42 FIBERGLASS: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 43 FIBERGLASS: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

7.8 OTHER MATERIAL TYPES

TABLE 44 OTHER MATERIAL TYPES: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 45 OTHER MATERIAL TYPES: ARMOR MATERIALS MARKET, BY REGION,

2021–2027 (USD MILLION)

TABLE 46 OTHER MATERIAL TYPES: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 47 OTHER MATERIAL TYPES: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

8 ARMOR MATERIALS MARKET, BY APPLICATION

8.1 INTRODUCTION

FIGURE 34 AEROSPACE ARMOR SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 48 ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 49 ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 50 ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 51 ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

8.2 VEHICLE ARMOR

8.2.1 ARMORED VEHICLES TO WITNESS HIGH DEMAND DUE TO RISING CROSS-BORDER CONFLICTS

TABLE 52 TOP 10 COUNTRIES WITH TOTAL COMBAT TANK FLEET STRENGTH, 2023

TABLE 53 VEHICLE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 54 VEHICLE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 55 VEHICLE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 56 VEHICLE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

8.3 AEROSPACE ARMOR

8.3.1 HIGH INVESTMENTS BY AIR FORCES OF VARIOUS COUNTRIES TO DRIVE DEMAND FOR AEROSPACE ARMOR

TABLE 57 TOP 10 COUNTRIES WITH TOTAL MILITARY AIRCRAFT FLEET STRENGTH, 2023

TABLE 58 AEROSPACE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 59 AEROSPACE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 60 AEROSPACE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 61 AEROSPACE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

8.4 BODY ARMOR

8.4.1 RISING NEED FOR PROTECTION SYSTEMS BY LAW ENFORCEMENT AGENCIES TO DRIVE MARKET

TABLE 62 BODY ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 63 BODY ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 64 BODY ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 65 BODY ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

8.5 CIVIL ARMOR

8.5.1 INCREASING SAFETY CONCERNS OF CIVILIANS TO CONTRIBUTE TO MARKET GROWTH

TABLE 66 CIVIL ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 67 CIVIL ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 68 CIVIL ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 69 CIVIL ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

8.6 MARINE ARMOR

8.6.1 EXPANSION OF NAVY FLEET IN DEVELOPING COUNTRIES TO DRIVE MARKET

TABLE 70 MARINE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 71 MARINE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 72 MARINE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 73 MARINE ARMOR: ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

9 ARMOR MATERIALS MARKET, BY REGION

9.1 INTRODUCTION

FIGURE 35 ASIA PACIFIC TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 74 ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (USD MILLION)

TABLE 75 ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (USD MILLION)

TABLE 76 ARMOR MATERIALS MARKET, BY REGION, 2017–2020 (KILOTON)

TABLE 77 ARMOR MATERIALS MARKET, BY REGION, 2021–2027 (KILOTON)

9.2 NORTH AMERICA

FIGURE 36 NORTH AMERICA: ARMOR MATERIALS MARKET SNAPSHOT

9.2.1 IMPACT OF RECESSION

9.2.2 NORTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE

TABLE 78 NORTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (USD MILLION)

TABLE 79 NORTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (USD MILLION)

TABLE 80 NORTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (KILOTON)

TABLE 81 NORTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (KILOTON)

9.2.3 NORTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION

TABLE 82 NORTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 83 NORTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 84 NORTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 85 NORTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.2.4 NORTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY

TABLE 86 NORTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 87 NORTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 88 NORTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (KILOTON)

TABLE 89 NORTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (KILOTON)

9.2.4.1 US

9.2.4.1.1 High military spending and constant research for upgrading army and military equipment to drive market

TABLE 90 US: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 91 US: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 92 US: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 93 US: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.2.4.2 Canada

9.2.4.2.1 Demand for armored vehicles to be driven by military modernization programs

TABLE 94 CANADA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 95 CANADA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 96 CANADA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 97 CANADA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.2.4.3 Mexico

9.2.4.3.1 Shift in manufacturing facilities of defense industries to be crucial for market growth

TABLE 98 MEXICO: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 99 MEXICO: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 100 MEXICO: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 101 MEXICO: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.3 EUROPE

FIGURE 37 EUROPE: ARMOR MATERIALS MARKET SNAPSHOT

9.3.1 IMPACT OF RECESSION

9.3.2 EUROPE: ARMOR MATERIALS MARKET, BY MATERIAL TYPE

TABLE 102 EUROPE: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (USD MILLION)

TABLE 103 EUROPE: ARMOR MATERIALS MARKET, BY MATERIAL TYPE,

2021–2027 (USD MILLION)

TABLE 104 EUROPE: ARMOR MATERIALS MARKET, BY MATERIAL TYPE,
2017–2020 (KILOTON)

TABLE 105 EUROPE: ARMOR MATERIALS MARKET, BY MATERIAL TYPE,
2021–2027 (KILOTON)

9.3.3 EUROPE: ARMOR MATERIALS MARKET, BY APPLICATION

TABLE 106 EUROPE: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 107 EUROPE: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(USD MILLION)

TABLE 108 EUROPE: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 109 EUROPE: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

9.3.4 EUROPE: ARMOR MATERIALS MARKET, BY COUNTRY

TABLE 110 EUROPE: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020
(USD MILLION)

TABLE 111 EUROPE: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027
(USD MILLION)

TABLE 112 EUROPE: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020
(KILOTON)

TABLE 113 EUROPE: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027
(KILOTON)

9.3.4.1 Russia

9.3.4.1.1 Increasing investments in military modernization programs to propel
market

TABLE 114 RUSSIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 115 RUSSIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(USD MILLION)

TABLE 116 RUSSIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 117 RUSSIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

9.3.4.2 France

9.3.4.2.1 Efforts to modernize old fleet of armored vehicles to favor market growth

TABLE 118 FRANCE: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 119 FRANCE: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027

(USD MILLION)

TABLE 120 FRANCE: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 121 FRANCE: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

9.3.4.3 UK

9.3.4.3.1 Increasing investment in homeland security to boost market growth

TABLE 122 UK: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD
MILLION)

TABLE 123 UK: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD
MILLION)

TABLE 124 UK: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 125 UK: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

9.3.4.4 Germany

9.3.4.4.1 Growing procurement of defense equipment and vehicles to contribute to
market growth

TABLE 126 GERMANY: ARMOR MATERIALS MARKET, BY APPLICATION,
2017–2020 (USD MILLION)

TABLE 127 GERMANY: ARMOR MATERIALS MARKET, BY APPLICATION,
2021–2027 (USD MILLION)

TABLE 128 GERMANY: ARMOR MATERIALS MARKET, BY APPLICATION,
2017–2020 (KILOTON)

TABLE 129 GERMANY: ARMOR MATERIALS MARKET, BY APPLICATION,
2021–2027 (KILOTON)

9.3.4.5 Italy

9.3.4.5.1 Rising production of military and army aircraft to drive demand

TABLE 130 ITALY: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 131 ITALY: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(USD MILLION)

TABLE 132 ITALY: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 133 ITALY: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

9.3.4.6 Poland

9.3.4.6.1 Growing spending on procurement of new military equipment to be
favorable for market growth

TABLE 134 POLAND: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 135 POLAND: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 136 POLAND: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 137 POLAND: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.4 ASIA PACIFIC

FIGURE 38 ASIA PACIFIC: ARMOR MATERIALS MARKET SNAPSHOT

9.4.1 IMPACT OF RECESSION

9.4.2 ASIA PACIFIC: ARMOR MATERIAL MARKET, BY MATERIAL TYPE

TABLE 138 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (USD MILLION)

TABLE 139 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (USD MILLION)

TABLE 140 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (KILOTON)

TABLE 141 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (KILOTON)

9.4.3 ASIA PACIFIC: ARMOR MATERIAL MARKET, BY APPLICATION

TABLE 142 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 143 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 144 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 145 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.4.4 ASIA PACIFIC: ARMOR MATERIAL MARKET, BY COUNTRY

TABLE 146 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 147 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 148 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (KILOTON)

TABLE 149 ASIA PACIFIC: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (KILOTON)

9.4.4.1 China

9.4.4.1.1 High R&D spending on new and advanced armored vehicles to contribute to market growth

TABLE 150 CHINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 151 CHINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 152 CHINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 153 CHINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.4.4.2 India

9.4.4.2.1 Increasing defense budget to lead to growth in spending on better armor systems

TABLE 154 INDIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 155 INDIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 156 INDIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 157 INDIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.4.4.3 South Korea

9.4.4.3.1 Increasing conflict with North Korea to fuel market growth

TABLE 158 SOUTH KOREA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 159 SOUTH KOREA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 160 SOUTH KOREA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 161 SOUTH KOREA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.4.4.4 Japan

9.4.4.4.1 High-end indigenous military technologies to increase demand for armor materials

TABLE 162 JAPAN: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 163 JAPAN: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 164 JAPAN: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020

(KILOTON)

TABLE 165 JAPAN: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027

(KILOTON)

9.4.4.5 Australia

9.4.4.5.1 Continuous government investments in armed forces and home security forces to fuel market growth

TABLE 166 AUSTRALIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 167 AUSTRALIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 168 AUSTRALIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 169 AUSTRALIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.4.4.6 Indonesia

9.4.4.6.1 Growing need for advanced naval fleet to influence market growth

TABLE 170 INDONESIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 171 INDONESIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 172 INDONESIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 173 INDONESIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.4.4.7 Philippines

9.4.4.7.1 Future planning to increase military spending to contribute to market growth

TABLE 174 PHILIPPINES: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 175 PHILIPPINES: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 176 PHILIPPINES: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 177 PHILIPPINES: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.5 SOUTH AMERICA

9.5.1 IMPACT OF RECESSION

9.5.2 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE

TABLE 178 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE,

2017–2020 (USD MILLION)

TABLE 179 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (USD MILLION)

TABLE 180 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (KILOTON)

TABLE 181 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (KILOTON)

9.5.3 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION

TABLE 182 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 183 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 184 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 185 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.5.4 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY

TABLE 186 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 187 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 188 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (KILOTON)

TABLE 189 SOUTH AMERICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (KILOTON)

9.5.4.1 Brazil

9.5.4.1.1 Gang wars and other incidents to influence market growth

TABLE 190 BRAZIL: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 191 BRAZIL: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 192 BRAZIL: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 193 BRAZIL: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.5.4.2 Argentina

9.5.4.2.1 Increasing procurement of armored vehicles to drive market

TABLE 194 ARGENTINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 195 ARGENTINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 196 ARGENTINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 197 ARGENTINA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.6 MIDDLE EAST & AFRICA

9.6.1 IMPACT OF RECESSION

9.6.2 MIDDLE EAST & AFRICA: ARMOR MATERIAL MARKET, BY MATERIAL TYPE

TABLE 198 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (USD MILLION)

TABLE 199 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (USD MILLION)

TABLE 200 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2017–2020 (KILOTON)

TABLE 201 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY MATERIAL TYPE, 2021–2027 (KILOTON)

9.6.3 MIDDLE EAST & AFRICA: ARMOR MATERIAL MARKET, BY APPLICATION

TABLE 202 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 203 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (USD MILLION)

TABLE 204 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (KILOTON)

TABLE 205 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027 (KILOTON)

9.6.4 MIDDLE EAST & AFRICA: ARMOR MATERIAL MARKET, BY COUNTRY

TABLE 206 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (USD MILLION)

TABLE 207 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (USD MILLION)

TABLE 208 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2017–2020 (KILOTON)

TABLE 209 MIDDLE EAST & AFRICA: ARMOR MATERIALS MARKET, BY COUNTRY, 2021–2027 (KILOTON)

9.6.4.1 Israel

9.6.4.1.1 Israel to be lucrative market for armor materials

TABLE 210 ISRAEL: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020 (USD MILLION)

TABLE 211 ISRAEL: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(USD MILLION)

TABLE 212 ISRAEL: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 213 ISRAEL: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

9.6.4.2 Saudi Arabia

9.6.4.2.1 Constant R&D on advanced military technologies to present opportunities
for growth

TABLE 214 SAUDI ARABIA: ARMOR MATERIALS MARKET, BY APPLICATION,
2017–2020 (USD MILLION)

TABLE 215 SAUDI ARABIA: ARMOR MATERIALS MARKET, BY APPLICATION,
2021–2027 (USD MILLION)

TABLE 216 SAUDI ARABIA: ARMOR MATERIALS MARKET, BY APPLICATION,
2017–2020 (KILOTON)

TABLE 217 SAUDI ARABIA: ARMOR MATERIALS MARKET, BY APPLICATION,
2021–2027 (KILOTON)

9.6.4.3 UAE

9.6.4.3.1 Significant investments in armored vehicle capabilities to influence market
growth

TABLE 218 UAE: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 219 UAE: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(USD MILLION)

TABLE 220 UAE: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 221 UAE: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

9.6.4.4 Algeria

9.6.4.4.1 Increasing defense and security budget to strengthen military forces to
contribute to market growth

TABLE 222 ALGERIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(USD MILLION)

TABLE 223 ALGERIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(USD MILLION)

TABLE 224 ALGERIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2017–2020
(KILOTON)

TABLE 225 ALGERIA: ARMOR MATERIALS MARKET, BY APPLICATION, 2021–2027
(KILOTON)

10 COMPETITIVE LANDSCAPE

10.1 INTRODUCTION

10.2 STRATEGIES ADOPTED BY KEY PLAYERS

TABLE 226 OVERVIEW OF STRATEGIES ADOPTED BY KEY ARMOR MATERIAL MANUFACTURERS

10.3 MARKET SHARE ANALYSIS

10.3.1 RANKING OF KEY MARKET PLAYERS

FIGURE 39 RANKING OF TOP FIVE PLAYERS IN ARMOR MATERIALS MARKET, 2021

10.3.2 MARKET SHARE OF KEY PLAYERS

TABLE 227 ARMOR MATERIALS MARKET: DEGREE OF COMPETITION

FIGURE 40 DUPONT DE NEMOURS, INC. LED ARMOR MATERIALS MARKET IN 2021

10.3.2.1 DuPont de Nemours, Inc.

10.3.2.2 Teijin Limited

10.3.2.3 ATI, Inc.

10.3.2.4 3M Company

10.3.2.5 Honeywell International Inc.

FIGURE 41 REVENUE ANALYSIS OF KEY COMPANIES DURING PAST FIVE YEARS

10.4 COMPANY PRODUCT FOOTPRINT ANALYSIS

FIGURE 42 ARMOR MATERIALS MARKET: COMPANY FOOTPRINT

TABLE 228 ARMOR MATERIALS MARKET: MATERIAL TYPE FOOTPRINT

TABLE 229 ARMOR MATERIALS MARKET: OVERALL APPLICATION FOOTPRINT

TABLE 230 ARMOR MATERIALS MARKET: COMPANY REGION FOOTPRINT

10.5 COMPANY EVALUATION QUADRANT (TIER 1)

10.5.1 STARS

10.5.2 EMERGING LEADERS

10.5.3 PARTICIPANTS

10.5.4 PERVASIVE PLAYERS

FIGURE 43 COMPANY EVALUATION QUADRANT FOR ARMOR MATERIALS MARKET (TIER 1)

10.6 COMPETITIVE BENCHMARKING

TABLE 231 ARMOR MATERIALS MARKET: DETAILED LIST OF KEY STARTUPS/SMES

TABLE 232 ARMOR MATERIALS MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES

10.7 STARTUP/SME EVALUATION QUADRANT

10.7.1 RESPONSIVE COMPANIES

10.7.2 STARTING BLOCKS

10.7.3 PROGRESSIVE COMPANIES

10.7.4 DYNAMIC COMPANIES

FIGURE 44 STARTUPS/SMES EVALUATION QUADRANT FOR ARMOR MATERIALS MARKET

10.8 COMPETITIVE SITUATIONS AND TRENDS

10.8.1 NEW PRODUCT LAUNCHES

TABLE 233 ARMOR MATERIALS MARKET: NEW PRODUCT LAUNCHES, 2019–2022

10.8.2 DEALS

TABLE 234 ARMOR MATERIALS MARKET: DEALS, 2019–2022

10.8.3 OTHER DEVELOPMENTS

TABLE 235 ARMOR MATERIALS MARKET: OTHER DEVELOPMENTS, 2019–2022

11 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, MNM view)*

11.1 MAJOR PLAYERS

11.1.1 DUPONT DE NEMOURS, INC.

TABLE 236 DUPONT DE NEMOURS, INC.: BUSINESS OVERVIEW

FIGURE 45 DUPONT DE NEMOURS, INC.: COMPANY SNAPSHOT

TABLE 237 DUPONT DE NEMOURS, INC.: PRODUCTS OFFERED

TABLE 238 DUPONT DE NEMOURS, INC.: NEW PRODUCT LAUNCHES

TABLE 239 DUPONT DE NEMOURS, INC.: DEALS

11.1.2 TEIJIN LIMITED

TABLE 240 TEIJIN LIMITED: BUSINESS OVERVIEW

FIGURE 46 TEIJIN LIMITED: COMPANY SNAPSHOT

TABLE 241 TEIJIN LIMITED: PRODUCTS OFFERED

TABLE 242 TEIJIN LIMITED: NEW PRODUCT LAUNCHES

TABLE 243 TEIJIN LIMITED: OTHER DEVELOPMENTS

11.1.3 3M COMPANY

TABLE 244 3M COMPANY: BUSINESS OVERVIEW

FIGURE 47 3M COMPANY: COMPANY SNAPSHOT

TABLE 245 3M COMPANY: PRODUCTS OFFERED

TABLE 246 3M COMPANY: DEALS

11.1.4 SAINT-GOBAIN S.A.

FIGURE 48 SAINT-GOBAIN S.A.: COMPANY SNAPSHOT

TABLE 247 SAINT-GOBAIN S.A.: BUSINESS OVERVIEW

11.1.5 HONEYWELL INTERNATIONAL INC.

FIGURE 49 HONEYWELL INTERNATIONAL INC.: COMPANY SNAPSHOT
TABLE 248 HONEYWELL INTERNATIONAL INC.: BUSINESS OVERVIEW
TABLE 249 HONEYWELL INTERNATIONAL INC.: PRODUCTS OFFERED
TABLE 250 HONEYWELL INTERNATIONAL INC.: NEW PRODUCT LAUNCHES
TABLE 251 HONEYWELL INTERNATIONAL INC.: DEALS
11.1.6 AVIENT CORPORATION
TABLE 252 AVIENT CORPORATION: BUSINESS OVERVIEW
FIGURE 50 AVIENT CORPORATION: COMPANY SNAPSHOT
TABLE 253 AVIENT CORPORATION: PRODUCTS OFFERED
TABLE 254 AVIENT CORPORATION: DEALS
11.1.7 ATI, INC.
FIGURE 51 ATI, INC.: COMPANY SNAPSHOT
TABLE 255 ATI, INC.: BUSINESS OVERVIEW
TABLE 256 ATI, INC.: PRODUCTS OFFERED
TABLE 257 ATI, INC.: DEALS
11.1.8 ALCOA CORPORATION
TABLE 258 ALCOA CORPORATION: BUSINESS OVERVIEW
FIGURE 52 ALCOA CORPORATION: COMPANY SNAPSHOT
TABLE 259 ALCOA CORPORATION: PRODUCTS OFFERED
TABLE 260 ALCOA CORPORATION: OTHER DEVELOPMENTS
11.1.9 SSAB AB
TABLE 261 SSAB AB: BUSINESS OVERVIEW
FIGURE 53 SSAB AB: COMPANY SNAPSHOT
TABLE 262 SSAB AB: PRODUCTS OFFERED
11.1.10 TATA STEEL LIMITED
TABLE 263 TATA STEEL LIMITED: BUSINESS OVERVIEW
FIGURE 54 TATA STEEL LIMITED: COMPANY SNAPSHOT
TABLE 264 TATA STEEL LIMITED: PRODUCTS OFFERED
11.1.11 CERAMTEC TOPCO GMBH
TABLE 265 CERAMTEC TOPCO GMBH: BUSINESS OVERVIEW
FIGURE 55 CERAMTEC TOPCO GMBH: COMPANY SNAPSHOT
11.1.12 MORGAN ADVANCED MATERIALS
TABLE 266 MORGAN ADVANCED MATERIALS: BUSINESS OVERVIEW
FIGURE 56 MORGAN ADVANCED MATERIALS: COMPANY SNAPSHOT
TABLE 267 MORGAN ADVANCED MATERIALS: PRODUCTS OFFERED
11.1.13 TENCATE ADVANCED ARMOR
TABLE 268 TENCATE ADVANCED ARMOR: BUSINESS OVERVIEW
TABLE 269 TENCATE ADVANCED ARMOR: PRODUCTS OFFERED
11.2 OTHER KEY MARKET PLAYERS

11.2.1 PPG INDUSTRIES

TABLE 270 PPG INDUSTRIES: COMPANY OVERVIEW

11.2.2 COORSTEK, INC.

TABLE 271 COORSTEK, INC.: COMPANY OVERVIEW

11.2.3 CERCO CORPORATION

TABLE 272 CERCO CORPORATION: COMPANY OVERVIEW

11.2.4 AGY HOLDING CORP.

TABLE 273 AGY HOLDING CORP.: COMPANY OVERVIEW

11.2.5 SAFARILAND, LLC

TABLE 274 SAFARILAND, LLC: COMPANY OVERVIEW

11.2.6 LEECO STEEL

TABLE 275 LEECO STEEL: COMPANY OVERVIEW

11.2.7 ARMORWORKS ENTERPRISES LLC

TABLE 276 ARMORWORKS ENTERPRISES LLC: COMPANY OVERVIEW

11.2.8 WACO COMPOSITES LTD.

TABLE 277 WACO COMPOSITES LTD.: COMPANY OVERVIEW

11.2.9 AT&F ADVANCED METALS LLC

TABLE 278 AT&F ADVANCED METALS LLC: COMPANY OVERVIEW

11.2.10 PROTECTIVE STRUCTURES, LTD.

TABLE 279 PROTECTIVE STRUCTURES, LTD.: COMPANY OVERVIEW

11.2.11 CPS TECHNOLOGIES, CORP.

TABLE 280 CPS TECHNOLOGIES, CORP.: COMPANY OVERVIEW

11.2.12 JPS COMPOSITES MATERIALS

TABLE 281 JPS COMPOSITES MATERIALS: COMPANY OVERVIEW

11.2.13 SCHUNK CARBON TECHNOLOGY

TABLE 282 SCHUNK CARBON TECHNOLOGY: COMPANY OVERVIEW

11.2.14 SURMET CORPORATION

TABLE 283 SURMET CORPORATION: COMPANY OVERVIEW

*Details on Business overview, Products offered, Recent Developments, MNM view might not be captured in case of unlisted companies.

12 ADJACENT AND RELATED MARKETS

12.1 INTRODUCTION

12.2 LIMITATIONS

12.3 BALLISTIC COMPOSITES MARKET

12.3.1 MARKET DEFINITION

12.3.2 MARKET OVERVIEW

12.3.3 BALLISTIC COMPOSITES MARKET, BY REGION

12.3.3.1 North America

TABLE 284 NORTH AMERICA: BALLISTIC COMPOSITES MARKET, BY COUNTRY, 2020–2027 (KILOTON)

TABLE 285 NORTH AMERICA: BALLISTIC COMPOSITES MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

12.3.3.2 Europe

TABLE 286 EUROPE: BALLISTIC COMPOSITES MARKET, BY COUNTRY, 2020–2027 (KILOTON)

TABLE 287 EUROPE: BALLISTIC COMPOSITES MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

12.3.3.3 Asia Pacific

TABLE 288 ASIA PACIFIC: BALLISTIC COMPOSITES MARKET, BY COUNTRY, 2020–2027 (USD MILLION)

TABLE 289 ASIA PACIFIC: BALLISTIC COMPOSITES MARKET, BY COUNTRY, 2020–2027 (KILOTON)

13 APPENDIX

13.1 DISCUSSION GUIDE

13.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

13.3 CUSTOMIZATION OPTIONS

13.4 RELATED REPORTS

13.5 AUTHOR DETAILS

I would like to order

Product name: Armor Materials Market by Materials Type (Metals & Alloys, Ceramics, Composites, Para-Aramid Fibers, UHMWPE, Fiberglass), Application (Vehicle, Aerospace, Body, Civil, Marine), & Region (Asia Pacific, North America, Europe, South America) – Global Forecast to 2027

Product link: <https://marketpublishers.com/r/A6C34FAC88CEN.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/A6C34FAC88CEN.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**

Customer 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