

Aramid Honeycomb Core Materials Market in the Transportation Industry by Type (Nomex, Others), Aramid Type (Meta, Para), Application (Interior, Exterior), Transportation Type (Airways, Railways, Waterways, Roadways) and Region - Global Forecast to 2025

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Abstracts

“The aramid honeycomb core materials market in the transportation industry is projected to register a CAGR of 10.0% during the forecast period.”

The global aramid honeycomb core materials market in the transportation industry size is projected to grow from USD 210 million in 2020 to USD 338 million by 2025, at a CAGR of 10.0% during the same period. The aramid honeycomb core materials offer exceptional properties, such as low weight, stiffness, strength, tenacity, density, thermal & electrical conductivity, fatigue, and corrosion resistance. Owing to these outstanding properties, conventional materials, such as aluminum and steel, are preferred less in high-performance applications such as aircraft and ships. However, the global pandemic disease COVID-19 has forced the aircraft, automobile, and ship manufacturers to shut down their operations, which is expected to decrease the demand for aramid honeycomb core materials in the transportation industry in 2020.

“Other types of aramid honeycomb core materials in the transportation industry to be the fastest-growing segment in terms of value.”

The aramid honeycomb core materials in the others segment are expected to register faster growth as compared to Nomex due to the comparatively low price of and equivalent performance properties. The Japanese and South Korean companies

offering these other aramid honeycomb materials are expected to capture a significant share in the market during the forecast period.

“Para-aramid honeycomb core materials market in the transportation industry to be the faster-growing aramid type, in terms of value.”

The para-aramid honeycomb core materials are expected to grow faster as compared to meta-aramid honeycomb core materials during the forecast period due to high strength, better performance, and longer life as compared to meta-aramid honeycomb core materials. Thus, the demand for para-aramid honeycomb core materials in aircraft components, such as engine nacelles, rotor blades, landing gear doors, wing boxes, and others, is expected to increase significantly. The high cost, coupled with the outbreak of COVID-19, would reduce the penetration of para-aramid honeycomb core material in the marine, automotive, and rail industries.

“Roadways to be the fastest-growing transportation type, in terms of value, in the aramid honeycomb core materials market.”

Roadways are expected to be the fastest-growing transportation type. Aramid honeycomb core honeycomb is used in a variety of road applications, including cars, military vehicles, buses, commercial vehicles, and motorsports, including Formula 1 and touring cars. The aramid honeycomb core is applied to interior and body panels, spoilers, floors, and chassis components, among others. The lightweight capabilities and high strength of the aramid honeycomb core reduce the vehicle weight, fuel consumption, and allow the OEMs to comply with the stringent eco-friendly regulations. Thus, there is a high demand for aramid honeycomb core materials in the automotive and heavy vehicles industry. Further, due to COVID-19, the sentiment of passengers to travel in private cars due to safety reasons would increase the sales of cars, driving the aramid honeycomb core materials market in roadways.

“APAC is projected to be the fastest-growing aramid honeycomb core materials in the transportation industry.”

APAC is projected to be the fastest-growing aramid honeycomb core materials market during the forecast period. The region comprises countries, such as Japan, China, and India, having significant potential owing to the presence of established raw material suppliers, product manufacturers, and OEMs consuming aramid honeycomb core materials in their end products. There is a high demand for aramid honeycomb core materials from the aerospace and automotive industries in the region. However,

COVID-19 has negatively affected the automotive industry in the APAC region. Due to the virus outbreak, car sales in China dropped by 92% in the first half of February. The drop in sales of lightweight cars and electric vehicles is expected to reduce the demand for aramid honeycomb core materials in the region through 2020-2021.

This study has been validated through primaries conducted with various industry experts, globally. These primary sources have been divided into the following three categories:

By Company Type- Tier 1- 40%, Tier 2- 33%, and Tier 3- 27%

By Designation- C Level- 50%, Director Level- 20%, and Others- 30%

By Region- North America- 20%, Europe- 50%, APAC- 15%, Latin America-5%, MEA-10%,

The report provides a comprehensive analysis of company profiles listed below:

Hexcel Corporation (US)

Toray Industries, Inc. (Japan)

Plascore, Inc. (US)

The Gill Corporation (US)

Euro-Composites S.A. (Luxembourg)

Argosy International, Inc. (US)

Showa Aircraft Industry Co., Ltd. (Japan)

Sch?tz GmbH & Co. KGaA (Germany)

Advanced Honey technologies (US)

Aramicore Composites Co. Ltd. (China)

Research Coverage

This report covers the global aramid honeycomb core materials market in the transportation industry and forecasts the market size until 2025. The report includes the market segmentation – Type (Nomex, Others), Aramid Type (Meta and Para), Application (Interior and Exterior), Transportation Type (Airways, Railways, Waterways, and Roadways) and Region (Europe, North America, APAC, Latin America, and MEA). Porter's Five Forces analysis, along with the drivers, restraints, opportunities, and challenges, are discussed in the report. It also provides company profiles and competitive strategies adopted by the major players in the global aramid honeycomb core materials in the transportation industry.

Key benefits of buying the report:

The report will help market leaders/new entrants in this market in the following ways:

1. This report segments the global aramid honeycomb core materials market in the transportation industry comprehensively. It provides the closest approximations of the revenues for the overall market and the sub-segments across different verticals and regions.
2. The report helps stakeholders understand the pulse of the aramid honeycomb core materials in the transportation industry and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to better their position in their businesses. The competitive landscape section includes the competitor ecosystem and expansion.

Reasons to buy the report:

The report will help market leaders/new entrants in this market by providing them with the closest approximations of the revenues for the overall aramid honeycomb core materials market in the transportation industry and the sub-segments. It will help stakeholders to understand the competitive landscape and gain more insights to position their businesses and market strategies in a better way. The report will also help stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, opportunities, and challenges.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKET SEGMENTATION
 - 1.3.2 REGIONS COVERED
 - 1.3.3 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 UNIT CONSIDERED
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primary interviews
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 SUPPLY SIDE ANALYSIS
 - 2.2.2 SEGMENT ANALYSIS
 - 2.2.3 FORECAST
- 2.3 DATA TRIANGULATION
- 2.4 ASSUMPTIONS
- 2.5 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ATTRACTIVE OPPORTUNITIES IN THE ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY
- 4.2 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE AND REGION

4.3 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY TYPE

4.4 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY ARAMID TYPE

4.5 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY KEY COUNTRIES

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Government stimulus package for the aerospace industry amid the COVID-19 crisis

5.2.1.2 High demand from the transportation industry

5.2.1.3 Superior performance properties over other honeycomb core materials

5.2.2 RESTRAINTS

5.2.2.1 High price

5.2.2.2 Decrease in the number of aircraft deliveries

5.2.2.3 Disruption in the supply chain and lower production capacity utilization due to COVID-19 pandemic

5.2.3 OPPORTUNITIES

5.2.3.1 Low-cost aramid honeycomb core materials from Japanese, Chinese, and South Korean counterparts

5.2.3.2 Increasing penetration of para-aramid honeycomb core in the aerospace industry

5.2.4 CHALLENGES

5.2.4.1 Maintenance of uninterrupted supply chain and operating at full production capacity

5.2.4.2 Liquidity crunch

5.3 PORTER'S FIVE FORCES ANALYSIS

5.3.1 THREAT OF NEW ENTRANTS

5.3.2 THREAT OF SUBSTITUTES

5.3.3 BARGAINING POWER OF SUPPLIERS

5.3.4 BARGAINING POWER OF BUYERS

5.3.5 INTENSITY OF COMPETITIVE RIVALRY

6 MACROECONOMIC OVERVIEW AND KEY TRENDS IN THE AEROSPACE INDUSTRY

6.1 MACROECONOMIC OVERVIEW AND KEY TRENDS IN THE AEROSPACE INDUSTRY

6.1.1 INTRODUCTION

6.1.2 TRENDS AND FORECAST OF GDP

6.1.3 TRENDS IN THE AEROSPACE INDUSTRY

6.1.3.1 Disruption in the industry

6.1.3.2 Impact on customers' output & strategies to resume/improve production

6.1.3.3 Impact on customers' revenue

6.1.3.4 Most affected countries

6.1.3.5 Short-term strategies to manage cost structure and supply chains

6.1.3.6 New opportunities

7 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY TYPE

7.1 INTRODUCTION

7.1.1 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TYPE

7.2 NOMEX

7.2.1 NOMEX HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION

7.3 OTHERS

7.3.1 OTHER ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION

8 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY ARAMID TYPE

8.1 INTRODUCTION

8.1.1 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY ARAMID TYPE

8.2 META-ARAMID

8.2.1 META-ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION

8.3 PARA-ARAMID

8.3.1 PARA-ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION

9 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY APPLICATION

9.1 INTRODUCTION

9.1.1 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY APPLICATION

9.2 INTERIOR

9.2.1 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY FOR INTERIOR APPLICATION, BY REGION

9.3 EXTERIOR

9.3.1 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY FOR EXTERIOR APPLICATION, BY REGION

10 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE

10.1 INTRODUCTION

10.1.1 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE, BY TRANSPORTATION TYPE

10.2 AIRWAYS

10.2.1 CIVIL

10.2.2 DEFENSE

10.2.3 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN AIRWAYS, BY AIRCRAFT-TYPE

10.2.4 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN AIRWAYS, BY REGION

10.3 RAILWAYS

10.3.1 METROS AND MONO RAILS

10.3.2 PASSENGER RAILS

10.3.3 HIGH-SPEED AND BULLET TRAINS

10.3.4 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN RAILWAYS, BY RAIL TYPE

10.3.5 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN RAILWAYS, BY REGION

10.4 WATERWAYS

10.4.1 POWER BOAT

10.4.2 SAILBOAT

10.4.3 CRUISE SHIP

10.4.4 OTHERS

10.4.5 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN WATERWAYS,
BY BOAT TYPE

10.4.6 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN WATERWAYS,
BY REGION

10.5 ROADWAYS

10.5.1 AUTOMOTIVE

10.5.2 RECREATIONAL VEHICLES

10.5.3 OTHERS

10.5.4 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN ROADWAYS,
BY VEHICLE TYPE

10.5.5 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN ROADWAYS,
BY REGION

11 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY, BY REGION

11.1 INTRODUCTION

11.1.1 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE
TRANSPORTATION INDUSTRY, BY REGION

11.2 NORTH AMERICA

11.2.1 NORTH AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET
SIZE, BY TRANSPORTATION TYPE

11.2.2 NORTH AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET
SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY

11.2.3 US

11.2.3.1 US: aramid honeycomb core materials market size in the transportation
industry

11.2.4 CANADA

11.2.4.1 Canada: aramid honeycomb core materials market size in the transportation
industry

11.3 EUROPE

11.3.1 EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE
TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE

11.3.2 EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE
TRANSPORTATION INDUSTRY, BY COUNTRY

11.3.3 FRANCE

11.3.3.1 France: aramid honeycomb core materials market size in the transportation
industry

11.3.4 GERMANY

11.3.4.1 Germany: aramid honeycomb core materials market size in the transportation industry

11.3.5 UK

11.3.5.1 UK: aramid honeycomb core materials market size in the transportation industry

11.3.6 ITALY

11.3.6.1 Italy: aramid honeycomb core materials market size in the transportation industry

11.3.7 SPAIN

11.3.7.1 Spain: aramid honeycomb core materials market size in the transportation industry

11.3.8 REST OF EUROPE

11.3.8.1 Rest of Europe: aramid honeycomb core materials market size in the transportation industry

11.4 APAC

11.4.1 APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE

11.4.2 APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY

11.4.3 JAPAN

11.4.3.1 Japan: aramid honeycomb core materials market size in the transportation industry

11.4.4 CHINA

11.4.4.1 China: aramid honeycomb core materials market size in the transportation industry

11.4.5 SOUTH KOREA

11.4.5.1 South Korea: aramid honeycomb core materials market size in the transportation industry

11.4.6 INDIA

11.4.6.1 India: aramid honeycomb core materials market size in the transportation industry

11.4.7 REST OF APAC

11.4.7.1 Rest of APAC: aramid honeycomb core materials market size in the transportation industry

11.5 MEA

11.5.1 MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE

11.5.2 MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY

11.5.3 SOUTH AFRICA

11.5.3.1 South Africa: aramid honeycomb core materials market size in the transportation industry, by transportation type

11.5.4 UAE

11.5.4.1 UAE: aramid honeycomb core materials market size in the transportation industry, by transportation type

11.5.5 REST OF MEA

11.5.5.1 Rest of MEA: aramid honeycomb core materials market size in the transportation industry, by transportation type

11.6 LATIN AMERICA

11.6.1 LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE

11.6.2 LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY

11.6.3 BRAZIL

11.6.3.1 Brazil: aramid honeycomb core materials market size in the transportation industry, by transportation type

11.6.4 MEXICO

11.6.4.1 Mexico: aramid honeycomb core materials market size in the transportation industry, by transportation type

11.6.5 REST OF LATIN AMERICA

11.6.5.1 Rest of Latin America: aramid honeycomb core materials market size in the transportation industry, by transportation type

12 COMPETITIVE LANDSCAPE

12.1 INTRODUCTION

12.2 COMPETITIVE LEADERSHIP MAPPING

12.2.1 VISIONARY LEADERS

12.2.2 DYNAMIC DIFFERENTIATORS

12.2.3 EMERGING COMPANIES

12.2.4 INNOVATORS

12.3 MARKET RANKING

12.4 COMPETITIVE SCENARIO

12.4.1 EXPANSION

13 COMPANY PROFILES

(Business overview, Products offered, Recent Developments, SWOT Analysis, Winning

Imperatives, Development and Growth Strategies, Threat from Competition, Right To Win, MNM view)*

- 13.1 HEXCEL CORPORATION
- 13.2 PLASCORE, INC.
- 13.3 THE GILL CORPORATION
- 13.4 EURO-COMPOSITES
- 13.5 ACP COMPOSITES, INC.
- 13.6 TORAY INDUSTRIES, INC.
- 13.7 ARGOSY INTERNATIONAL INC.
- 13.8 SHOWA AIRCRAFT INDUSTRY CO. LTD
- 13.9 SCH?TZ GMBH & CO. KGAA
- 13.10 ADVANCED HONEYCOMB TECHNOLOGIES
- 13.11 ARAMICORE COMPOSITES CO. LTD
- 13.12 HONEYLITE
- 13.13 COREX HONEYCOMB
- 13.14 TASUNS COMPOSITE TECHNOLOGY CO. LTD.

14 COMPANY PROFILES FOR ARAMID FIBER MANUFACTURERS

- 14.1 DUPONT DE NEMOURS, INC.
- 14.2 CHINA NATIONAL BLUESTAR (GROUP) CO, LTD.
- 14.3 TEIJIN LIMITED
- 14.4 HYOSUNG CORPORATION
- 14.5 HUVIS
- 14.6 TAEKWANG INDUSTRIAL CO. LTD.

*Details on Business overview, Products offered, Recent Developments, SWOT Analysis, Winning Imperatives, Development and Growth Strategies, Threat from Competition, Right To Win, MNM view might not be captured in case of unlisted companies.

15 APPENDIX

- 15.1 INSIGHTS FROM INDUSTRY EXPERTS
- 15.2 DISCUSSION GUIDE
- 15.3 KNOWLEDGE STORE: MARKETSandMARKETS SUBSCRIPTION PORTAL
- 15.4 AVAILABLE CUSTOMIZATIONS
- 15.5 RELATED REPORTS
- 15.6 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 ANNUAL PERCENTAGE CHANGE OF GDP, BY REGION, APRIL 2020

TABLE 2 NUMBER OF AIRPLANE DELIVERIES, BY MANUFACTURERS, 2019

TABLE 3 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TYPE, 2018–2025 (USD MILLION)

TABLE 4 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TYPE, 2018–2025 (TON)

TABLE 5 NOMEX HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (USD MILLION)

TABLE 6 NOMEX HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2020–2025 (TON)

TABLE 7 OTHERS ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (USD MILLION)

TABLE 8 OTHERS ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (TON)

TABLE 9 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY ARAMID TYPE, 2018–2025 (USD MILLION)

TABLE 10 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY ARAMID TYPE, 2018–2025 (TON)

TABLE 11 META-ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (USD MILLION)

TABLE 12 META-ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (TON)

TABLE 13 PARA-ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (USD MILLION)

TABLE 14 PARA-ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (TON)

TABLE 15 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY APPLICATION, 2018–2025 (USD MILLION)

TABLE 16 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY APPLICATION, 2018–2025 (TON)

TABLE 17 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY FOR INTERIOR APPLICATION, BY REGION, 2018–2025 (USD MILLION)

TABLE 18 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY FOR INTERIOR APPLICATION, BY REGION,

2018–2025 (TON)

TABLE 19 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY FOR EXTERIOR APPLICATION, BY REGION, 2018–2025 (USD MILLION)

TABLE 20 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY FOR EXTERIOR APPLICATION, BY REGION, 2018–2025 (TON)

TABLE 21 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 22 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 23 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN AIRWAYS, BY AIRCRAFT-TYPE, 2018–2025 (USD MILLION)

TABLE 24 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN AIRWAYS, BY AIRCRAFT-TYPE, 2018–2025 (TON)

TABLE 25 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN AIRWAYS, BY REGION, 2018–2025 (USD MILLION)

TABLE 26 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN IN AIRWAYS, BY REGION, 2018–2025 (TON)

TABLE 27 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN RAILWAYS, BY RAIL TYPE, 2018–2025 (USD MILLION)

TABLE 28 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN RAILWAYS, BY RAIL TYPE, 2018–2025 (TON)

TABLE 29 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN RAILWAYS, BY REGION, 2018–2025 (USD MILLION)

TABLE 30 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN RAILWAYS, BY REGION, 2018–2025 (TON)

TABLE 31 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN WATERWAYS, BY BOAT TYPE, 2018–2025 (USD MILLION)

TABLE 32 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN WATERWAYS, BY BOAT TYPE, 2018–2025 (TON)

TABLE 33 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN WATERWAYS, BY REGION, 2018–2025 (USD MILLION)

TABLE 34 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN IN WATERWAYS, BY REGION, 2018–2025 (TON)

TABLE 35 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN ROADWAYS, BY VEHICLE TYPE, 2018–2025 (USD MILLION)

TABLE 36 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN ROADWAYS, BY VEHICLE TYPE, 2018–2025 (TON)

TABLE 37 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN ROADWAYS, BY REGION, 2018–2025 (USD MILLION)

TABLE 38 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN ROADWAYS, BY REGION, 2018–2025 (TON)

TABLE 39 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (USD MILLION)

TABLE 40 ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (TON)

TABLE 41 NORTH AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 42 NORTH AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE, IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE (TON)

TABLE 43 NORTH AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 44 NORTH AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (TON)

TABLE 45 US: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 46 US: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 47 CANADA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 48 CANADA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 49 EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 50 EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE (TON)

TABLE 51 EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 52 EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN

THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (TON)

TABLE 53 FRANCE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 54 FRANCE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 55 GERMANY: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 56 GERMANY: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 57 UK: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 58 UK: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 59 ITALY: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 60 ITALY: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 61 SPAIN: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 62 SPAIN: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 63 REST OF EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 64 REST OF EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 65 APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 66 APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE (TON)

TABLE 67 APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 68 APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY REGION, 2018–2025 (TON)

TABLE 69 JAPAN: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 70 JAPAN: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 71 CHINA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 72 CHINA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 73 SOUTH KOREA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 74 SOUTH KOREA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 75 INDIA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 76 INDIA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 77 REST OF APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 78 REST OF APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 79 MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE, IN THE TRANSPORTATION INDUSTRY BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 80 MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE (TON)

TABLE 81 MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 82 MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (TON)

TABLE 83 SOUTH AFRICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 84 SOUTH AFRICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 85 UAE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 86 UAE: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 87 REST OF MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 88 REST OF MEA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (TON)

TABLE 89 LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 90 LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE (TON)

TABLE 91 LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (USD MILLION)

TABLE 92 LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY COUNTRY, 2018–2025 (TON)

TABLE 93 BRAZIL: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025 (USD MILLION)

TABLE 94 BRAZIL: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE

IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025

(TON)

TABLE 95 MEXICO: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE
IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025
(USD MILLION)

TABLE 96 MEXICO: ARAMID HONEYCOMB CORE MATERIALS MARKET SIZE
IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025
(TON)

TABLE 97 REST OF LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS
MARKET SIZE
IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION TYPE, 2018–2025
(USD MILLION)

TABLE 98 REST OF LATIN AMERICA: ARAMID HONEYCOMB CORE MATERIALS
MARKET SIZE IN THE TRANSPORTATION INDUSTRY, BY TRANSPORTATION
TYPE, 2018–2025 (TON)

TABLE 99 EXPANSION, 2015-2020

List Of Figures

LIST OF FIGURES

FIGURE 1 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY: RESEARCH DESIGN

FIGURE 2 MARKET NUMBER ESTIMATION

FIGURE 3 ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY MARKET: DATA TRIANGULATION

FIGURE 4 NOMEX DOMINATES THE ARAMID HONEYCOMB CORE MATERIALS MARKET

IN THE TRANSPORTATION INDUSTRY

FIGURE 5 PARA-ARAMID HONEYCOMB CORE MATERIALS TO REGISTER THE HIGHER CAGR BETWEEN 2020 AND 2025

FIGURE 6 EXTERIOR APPLICATION TO LEAD THE ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY BETWEEN 2020 AND 2025

FIGURE 7 AIRWAYS TO DOMINATE ARAMID HONEYCOMB CORE MATERIALS MARKET

IN THE TRANSPORTATION INDUSTRY BETWEEN 2020 AND 2025

FIGURE 8 THE US TO LEAD THE ARAMID HONEYCOMB CORE MATERIALS MARKET

IN THE TRANSPORTATION INDUSTRY DURING THE FORECAST PERIOD

FIGURE 9 APAC TO BE THE FASTEST-GROWING MARKET FOR ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY

FIGURE 10 HIGH DEMAND FROM THE AEROSPACE & DEFENSE INDUSTRY TO DRIVE THE MARKET

FIGURE 11 AIRWAYS SEGMENT AND NORTH AMERICA TO BE THE LARGEST ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY

FIGURE 12 NOMEX DOMINATES THE ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY

FIGURE 13 META-ARAMID HONEYCOMB CORE MATERIALS TO DOMINATE THE ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY

FIGURE 14 CHINA TO REGISTER THE HIGHEST CAGR DURING THE FORECAST PERIOD

FIGURE 15 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN THE ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION

INDUSTRY**FIGURE 16 PORTER'S FIVE FORCES ANALYSIS****FIGURE 17 NOMEX TO LEAD THE ARAMID HONEYCOMB CORE MATERIALS MARKET****FIGURE 18 PARA-ARAMID TO REGISTER HIGHER GROWTH RATE IN THE ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY****FIGURE 19 EXTERIOR APPLICATION DOMINATES THE ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY****FIGURE 20 AIRWAYS TO DOMINATE THE ARAMID HONEYCOMB CORE MATERIALS MARKET****FIGURE 21 CHINA TO REGISTER THE HIGHEST GROWTH RATE DURING THE FORECAST PERIOD****FIGURE 22 NORTH AMERICA: ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY SNAPSHOT****FIGURE 23 EUROPE: ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY SNAPSHOT****FIGURE 24 APAC: ARAMID HONEYCOMB CORE MATERIALS MARKET IN THE TRANSPORTATION INDUSTRY SNAPSHOT****FIGURE 25 EXPANSION IS THE KEY GROWTH STRATEGY ADOPTED BETWEEN 2015 AND 2020****FIGURE 26 ARAMID HONEYCOMB CORE MATERIALS IN TRANSPORTATION MARKET:****(GLOBAL) COMPETITIVE LEADERSHIP MAPPING****FIGURE 27 TOP FIVE PLAYERS IN THE ARAMID HONEYCOMB CORE MATERIALS MARKET****IN THE TRANSPORTATION INDUSTRY****FIGURE 28 HEXCEL CORPORATION: COMPANY SNAPSHOT****FIGURE 29 HEXCEL CORPORATION: SWOT ANALYSIS****FIGURE 30 PLASCORE, INC.: SWOT ANALYSIS****FIGURE 31 THE GILL CORPORATION: SWOT ANALYSIS****FIGURE 32 EURO-COMPOSITES: SWOT ANALYSIS****FIGURE 33 ACP COMPOSITES: SWOT ANALYSIS****FIGURE 34 TORAY INDUSTRIES, INC.: COMPANY SNAPSHOT****FIGURE 35 TORAY INDUSTRIES: SWOT ANALYSIS****FIGURE 36 ARGOSY INTERNATIONAL INC.: SWOT ANALYSIS****FIGURE 37 SHOWA AIRCRAFT INDUSTRY CO. LTD: COMPANY SNAPSHOT****FIGURE 38 SHOWA AIRCRAFT INDUSTRY CO. LTD: SWOT ANALYSIS****FIGURE 39 DUPONT DE NEMOURS, INC.: COMPANY SNAPSHOT**

FIGURE 40 DUPONT DE NEMOURS, INC.: SWOT ANALYSIS
FIGURE 41 CHINA NATIONAL BLUESTAR (GROUP) CO, LTD.: SWOT ANALYSIS
FIGURE 42 TEIJIN LIMITED: COMPANY SNAPSHOT
FIGURE 43 TEIJIN LIMITED: SWOT ANALYSIS
FIGURE 44 HYOSUNG CORPORATION: COMPANY SNAPSHOT
FIGURE 45 HYOSUNG CORPORATION: SWOT ANALYSIS
FIGURE 46 HUVIS: COMPANY SNAPSHOT
FIGURE 47 HUVIS: SWOT ANALYSIS
FIGURE 48 HUVIS: SWOT ANALYSIS

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