

# Global Automotive Carbon Fiber Reinforced Polyamide Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Automotive Carbon Fiber Reinforced Polyamide market size was valued at USD 579.3 million in 2023 and is forecast to a readjusted size of USD 845.5 million by 2030 with a CAGR of 5.6% during review period.

Carbon fiber-reinforced polymers (CFRPs) are high-strength, light-weight composite materials consisting of a polymer matrix and carbon fibers (CFs). Owing to the high strength-to-weight ratio, CFRPs have been proposed as alternative structural materials to metals

Automotive is a key driver of this industry. According to data from the World Automobile Organization (OICA), global automobile production and sales in 2017 reached their peak in the past 10 years, at 97.3 million and 95.89 million respectively. In 2018, the global economic expansion ended, and the global auto market declined as a whole. In 2022, there will wear units 81.6 million vehicles in the world. At present, more than 90% of the world's automobiles are concentrated in the three continents of Asia, Europe and North America, of which Asia automobile production accounts for 56% of the world, Europe accounts for 20%, and North America accounts for 16%. The world major automobile producing countries include China, the United States, Japan, South Korea, Germany, India, Mexico, and other countries; among them, China is the largest automobile producing country in the world, accounting for about 32%. Japan is the world's largest car exporter, exporting more than 3.5 million vehicles in 2022.

The Global Info Research report includes an overview of the development of the Automotive Carbon Fiber Reinforced Polyamide industry chain, the market status of

Roof Panel (Injection Molding, Extrusion Molding), Body Panels (Injection Molding, Extrusion Molding), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Automotive Carbon Fiber Reinforced Polyamide.

Regionally, the report analyzes the Automotive Carbon Fiber Reinforced Polyamide markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Automotive Carbon Fiber Reinforced Polyamide market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Automotive Carbon Fiber Reinforced Polyamide market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Automotive Carbon Fiber Reinforced Polyamide industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Injection Molding, Extrusion Molding).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Automotive Carbon Fiber Reinforced Polyamide market.

**Regional Analysis:** The report involves examining the Automotive Carbon Fiber Reinforced Polyamide market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Automotive Carbon Fiber Reinforced Polyamide

market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Automotive Carbon Fiber Reinforced Polyamide:

**Company Analysis:** Report covers individual Automotive Carbon Fiber Reinforced Polyamide manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Automotive Carbon Fiber Reinforced Polyamide. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Roof Panel, Body Panels).

**Technology Analysis:** Report covers specific technologies relevant to Automotive Carbon Fiber Reinforced Polyamide. It assesses the current state, advancements, and potential future developments in Automotive Carbon Fiber Reinforced Polyamide areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Automotive Carbon Fiber Reinforced Polyamide market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Automotive Carbon Fiber Reinforced Polyamide market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

#### Injection Molding

Extrusion Molding

Market segment by Application

Roof Panel

Body Panels

Chassis

Others

Major players covered

Toray

Mitsubishi Rayon

Teijin

SGL

Hexcel

Solvay

Formosa Plastics Corporation

Nippon Carbon

DowAksa Advanced Composites Holdings

Hyosung Advanced

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Automotive Carbon Fiber Reinforced Polyamide product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Automotive Carbon Fiber Reinforced Polyamide, with price, sales, revenue and global market share of Automotive Carbon Fiber Reinforced Polyamide from 2019 to 2024.

Chapter 3, the Automotive Carbon Fiber Reinforced Polyamide competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Automotive Carbon Fiber Reinforced Polyamide breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Automotive Carbon Fiber Reinforced Polyamide market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Automotive Carbon Fiber Reinforced Polyamide.

Chapter 14 and 15, to describe Automotive Carbon Fiber Reinforced Polyamide sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

1.1 Product Overview and Scope of Automotive Carbon Fiber Reinforced Polyamide

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 Injection Molding

1.3.3 Extrusion Molding

1.4 Market Analysis by Application

1.4.1 Overview: Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Roof Panel

1.4.3 Body Panels

1.4.4 Chassis

1.4.5 Others

1.5 Global Automotive Carbon Fiber Reinforced Polyamide Market Size & Forecast

1.5.1 Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (2019-2030)

1.5.3 Global Automotive Carbon Fiber Reinforced Polyamide Average Price (2019-2030)

### 2 MANUFACTURERS PROFILES

2.1 Toray

2.1.1 Toray Details

2.1.2 Toray Major Business

2.1.3 Toray Automotive Carbon Fiber Reinforced Polyamide Product and Services

2.1.4 Toray Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Toray Recent Developments/Updates

2.2 Mitsubishi Rayon

2.2.1 Mitsubishi Rayon Details

2.2.2 Mitsubishi Rayon Major Business

2.2.3 Mitsubishi Rayon Automotive Carbon Fiber Reinforced Polyamide Product and

## Services

2.2.4 Mitsubishi Rayon Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Mitsubishi Rayon Recent Developments/Updates

## 2.3 Teijin

2.3.1 Teijin Details

2.3.2 Teijin Major Business

2.3.3 Teijin Automotive Carbon Fiber Reinforced Polyamide Product and Services

2.3.4 Teijin Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Teijin Recent Developments/Updates

## 2.4 SGL

2.4.1 SGL Details

2.4.2 SGL Major Business

2.4.3 SGL Automotive Carbon Fiber Reinforced Polyamide Product and Services

2.4.4 SGL Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 SGL Recent Developments/Updates

## 2.5 Hexcel

2.5.1 Hexcel Details

2.5.2 Hexcel Major Business

2.5.3 Hexcel Automotive Carbon Fiber Reinforced Polyamide Product and Services

2.5.4 Hexcel Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Hexcel Recent Developments/Updates

## 2.6 Solvay

2.6.1 Solvay Details

2.6.2 Solvay Major Business

2.6.3 Solvay Automotive Carbon Fiber Reinforced Polyamide Product and Services

2.6.4 Solvay Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Solvay Recent Developments/Updates

## 2.7 Formosa Plastics Corporation

2.7.1 Formosa Plastics Corporation Details

2.7.2 Formosa Plastics Corporation Major Business

2.7.3 Formosa Plastics Corporation Automotive Carbon Fiber Reinforced Polyamide Product and Services

2.7.4 Formosa Plastics Corporation Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)



- 2.7.5 Formosa Plastics Corporation Recent Developments/Updates
- 2.8 Nippon Carbon
  - 2.8.1 Nippon Carbon Details
  - 2.8.2 Nippon Carbon Major Business
  - 2.8.3 Nippon Carbon Automotive Carbon Fiber Reinforced Polyamide Product and Services
  - 2.8.4 Nippon Carbon Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.8.5 Nippon Carbon Recent Developments/Updates
- 2.9 DowAksa Advanced Composites Holdings
  - 2.9.1 DowAksa Advanced Composites Holdings Details
  - 2.9.2 DowAksa Advanced Composites Holdings Major Business
  - 2.9.3 DowAksa Advanced Composites Holdings Automotive Carbon Fiber Reinforced Polyamide Product and Services
  - 2.9.4 DowAksa Advanced Composites Holdings Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.9.5 DowAksa Advanced Composites Holdings Recent Developments/Updates
- 2.10 Hyosung Advanced
  - 2.10.1 Hyosung Advanced Details
  - 2.10.2 Hyosung Advanced Major Business
  - 2.10.3 Hyosung Advanced Automotive Carbon Fiber Reinforced Polyamide Product and Services
  - 2.10.4 Hyosung Advanced Automotive Carbon Fiber Reinforced Polyamide Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
  - 2.10.5 Hyosung Advanced Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: AUTOMOTIVE CARBON FIBER REINFORCED POLYAMIDE BY MANUFACTURER**

- 3.1 Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Automotive Carbon Fiber Reinforced Polyamide Revenue by Manufacturer (2019-2024)
- 3.3 Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
  - 3.4.1 Producer Shipments of Automotive Carbon Fiber Reinforced Polyamide by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Automotive Carbon Fiber Reinforced Polyamide Manufacturer Market Share in 2023

3.4.2 Top 6 Automotive Carbon Fiber Reinforced Polyamide Manufacturer Market Share in 2023

3.5 Automotive Carbon Fiber Reinforced Polyamide Market: Overall Company Footprint Analysis

3.5.1 Automotive Carbon Fiber Reinforced Polyamide Market: Region Footprint

3.5.2 Automotive Carbon Fiber Reinforced Polyamide Market: Company Product Type Footprint

3.5.3 Automotive Carbon Fiber Reinforced Polyamide Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

4.1 Global Automotive Carbon Fiber Reinforced Polyamide Market Size by Region

4.1.1 Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2019-2030)

4.1.2 Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2019-2030)

4.1.3 Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Region (2019-2030)

4.2 North America Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030)

4.3 Europe Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030)

4.4 Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030)

4.5 South America Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030)

4.6 Middle East and Africa Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2030)

5.2 Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Type

(2019-2030)

5.3 Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Type (2019-2030)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2030)

6.2 Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Application (2019-2030)

6.3 Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Application (2019-2030)

## **7 NORTH AMERICA**

7.1 North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2030)

7.2 North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2030)

7.3 North America Automotive Carbon Fiber Reinforced Polyamide Market Size by Country

7.3.1 North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2019-2030)

7.3.2 North America Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

## **8 EUROPE**

8.1 Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2030)

8.2 Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2030)

8.3 Europe Automotive Carbon Fiber Reinforced Polyamide Market Size by Country

8.3.1 Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2019-2030)

8.3.2 Europe Automotive Carbon Fiber Reinforced Polyamide Consumption Value by

## Country (2019-2030)

- 8.3.3 Germany Market Size and Forecast (2019-2030)
- 8.3.4 France Market Size and Forecast (2019-2030)
- 8.3.5 United Kingdom Market Size and Forecast (2019-2030)
- 8.3.6 Russia Market Size and Forecast (2019-2030)
- 8.3.7 Italy Market Size and Forecast (2019-2030)

## **9 ASIA-PACIFIC**

### 9.1 Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2030)

### 9.2 Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2030)

### 9.3 Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Market Size by Region

#### 9.3.1 Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2019-2030)

#### 9.3.2 Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2019-2030)

- 9.3.3 China Market Size and Forecast (2019-2030)
- 9.3.4 Japan Market Size and Forecast (2019-2030)
- 9.3.5 Korea Market Size and Forecast (2019-2030)
- 9.3.6 India Market Size and Forecast (2019-2030)
- 9.3.7 Southeast Asia Market Size and Forecast (2019-2030)
- 9.3.8 Australia Market Size and Forecast (2019-2030)

## **10 SOUTH AMERICA**

### 10.1 South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2030)

### 10.2 South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2030)

### 10.3 South America Automotive Carbon Fiber Reinforced Polyamide Market Size by Country

#### 10.3.1 South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2019-2030)

#### 10.3.2 South America Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2019-2030)

- 10.3.3 Brazil Market Size and Forecast (2019-2030)
- 10.3.4 Argentina Market Size and Forecast (2019-2030)

## **11 MIDDLE EAST & AFRICA**

11.1 Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Market Size by Country

11.3.1 Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

## **12 MARKET DYNAMICS**

12.1 Automotive Carbon Fiber Reinforced Polyamide Market Drivers

12.2 Automotive Carbon Fiber Reinforced Polyamide Market Restraints

12.3 Automotive Carbon Fiber Reinforced Polyamide Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Automotive Carbon Fiber Reinforced Polyamide and Key Manufacturers

13.2 Manufacturing Costs Percentage of Automotive Carbon Fiber Reinforced Polyamide

13.3 Automotive Carbon Fiber Reinforced Polyamide Production Process

13.4 Automotive Carbon Fiber Reinforced Polyamide Industrial Chain

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

### 14.1 Sales Channel

#### 14.1.1 Direct to End-User

#### 14.1.2 Distributors

### 14.2 Automotive Carbon Fiber Reinforced Polyamide Typical Distributors

### 14.3 Automotive Carbon Fiber Reinforced Polyamide Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

### 16.1 Methodology

### 16.2 Research Process and Data Source

### 16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Toray Basic Information, Manufacturing Base and Competitors

Table 4. Toray Major Business

Table 5. Toray Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 6. Toray Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Toray Recent Developments/Updates

Table 8. Mitsubishi Rayon Basic Information, Manufacturing Base and Competitors

Table 9. Mitsubishi Rayon Major Business

Table 10. Mitsubishi Rayon Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 11. Mitsubishi Rayon Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Mitsubishi Rayon Recent Developments/Updates

Table 13. Teijin Basic Information, Manufacturing Base and Competitors

Table 14. Teijin Major Business

Table 15. Teijin Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 16. Teijin Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Teijin Recent Developments/Updates

Table 18. SGL Basic Information, Manufacturing Base and Competitors

Table 19. SGL Major Business

Table 20. SGL Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 21. SGL Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. SGL Recent Developments/Updates

Table 23. Hexcel Basic Information, Manufacturing Base and Competitors

Table 24. Hexcel Major Business



Table 25. Hexcel Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 26. Hexcel Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Hexcel Recent Developments/Updates

Table 28. Solvay Basic Information, Manufacturing Base and Competitors

Table 29. Solvay Major Business

Table 30. Solvay Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 31. Solvay Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Solvay Recent Developments/Updates

Table 33. Formosa Plastics Corporation Basic Information, Manufacturing Base and Competitors

Table 34. Formosa Plastics Corporation Major Business

Table 35. Formosa Plastics Corporation Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 36. Formosa Plastics Corporation Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. Formosa Plastics Corporation Recent Developments/Updates

Table 38. Nippon Carbon Basic Information, Manufacturing Base and Competitors

Table 39. Nippon Carbon Major Business

Table 40. Nippon Carbon Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 41. Nippon Carbon Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. Nippon Carbon Recent Developments/Updates

Table 43. DowAksa Advanced Composites Holdings Basic Information, Manufacturing Base and Competitors

Table 44. DowAksa Advanced Composites Holdings Major Business

Table 45. DowAksa Advanced Composites Holdings Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 46. DowAksa Advanced Composites Holdings Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. DowAksa Advanced Composites Holdings Recent Developments/Updates

Table 48. Hyosung Advanced Basic Information, Manufacturing Base and Competitors



Table 49. Hyosung Advanced Major Business

Table 50. Hyosung Advanced Automotive Carbon Fiber Reinforced Polyamide Product and Services

Table 51. Hyosung Advanced Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (K MT), Average Price (USD/K MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. Hyosung Advanced Recent Developments/Updates

Table 53. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Manufacturer (2019-2024) & (K MT)

Table 54. Global Automotive Carbon Fiber Reinforced Polyamide Revenue by Manufacturer (2019-2024) & (USD Million)

Table 55. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Manufacturer (2019-2024) & (USD/K MT)

Table 56. Market Position of Manufacturers in Automotive Carbon Fiber Reinforced Polyamide, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 57. Head Office and Automotive Carbon Fiber Reinforced Polyamide Production Site of Key Manufacturer

Table 58. Automotive Carbon Fiber Reinforced Polyamide Market: Company Product Type Footprint

Table 59. Automotive Carbon Fiber Reinforced Polyamide Market: Company Product Application Footprint

Table 60. Automotive Carbon Fiber Reinforced Polyamide New Market Entrants and Barriers to Market Entry

Table 61. Automotive Carbon Fiber Reinforced Polyamide Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2019-2024) & (K MT)

Table 63. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2025-2030) & (K MT)

Table 64. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2019-2024) & (USD Million)

Table 65. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2025-2030) & (USD Million)

Table 66. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Region (2019-2024) & (USD/K MT)

Table 67. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Region (2025-2030) & (USD/K MT)

Table 68. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2024) & (K MT)

Table 69. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2025-2030) & (K MT)

Table 70. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Type (2019-2024) & (USD Million)

Table 71. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Type (2025-2030) & (USD Million)

Table 72. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Type (2019-2024) & (USD/K MT)

Table 73. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Type (2025-2030) & (USD/K MT)

Table 74. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2024) & (K MT)

Table 75. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2025-2030) & (K MT)

Table 76. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Application (2019-2024) & (USD Million)

Table 77. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Application (2025-2030) & (USD Million)

Table 78. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Application (2019-2024) & (USD/K MT)

Table 79. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Application (2025-2030) & (USD/K MT)

Table 80. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2024) & (K MT)

Table 81. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2025-2030) & (K MT)

Table 82. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2024) & (K MT)

Table 83. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2025-2030) & (K MT)

Table 84. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2019-2024) & (K MT)

Table 85. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2025-2030) & (K MT)

Table 86. North America Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2019-2024) & (USD Million)

Table 87. North America Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2025-2030) & (USD Million)

Table 88. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by

Type (2019-2024) & (K MT)

Table 89. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2025-2030) & (K MT)

Table 90. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2024) & (K MT)

Table 91. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2025-2030) & (K MT)

Table 92. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2019-2024) & (K MT)

Table 93. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2025-2030) & (K MT)

Table 94. Europe Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2019-2024) & (USD Million)

Table 95. Europe Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2025-2030) & (USD Million)

Table 96. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2024) & (K MT)

Table 97. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2025-2030) & (K MT)

Table 98. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2024) & (K MT)

Table 99. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2025-2030) & (K MT)

Table 100. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2019-2024) & (K MT)

Table 101. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2025-2030) & (K MT)

Table 102. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2019-2024) & (USD Million)

Table 103. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2025-2030) & (USD Million)

Table 104. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2024) & (K MT)

Table 105. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2025-2030) & (K MT)

Table 106. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2024) & (K MT)

Table 107. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2025-2030) & (K MT)

Table 108. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2019-2024) & (K MT)

Table 109. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Country (2025-2030) & (K MT)

Table 110. South America Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2019-2024) & (USD Million)

Table 111. South America Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Country (2025-2030) & (USD Million)

Table 112. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2019-2024) & (K MT)

Table 113. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Type (2025-2030) & (K MT)

Table 114. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2019-2024) & (K MT)

Table 115. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Application (2025-2030) & (K MT)

Table 116. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2019-2024) & (K MT)

Table 117. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity by Region (2025-2030) & (K MT)

Table 118. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2019-2024) & (USD Million)

Table 119. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Region (2025-2030) & (USD Million)

Table 120. Automotive Carbon Fiber Reinforced Polyamide Raw Material

Table 121. Key Manufacturers of Automotive Carbon Fiber Reinforced Polyamide Raw Materials

Table 122. Automotive Carbon Fiber Reinforced Polyamide Typical Distributors

Table 123. Automotive Carbon Fiber Reinforced Polyamide Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Automotive Carbon Fiber Reinforced Polyamide Picture
- Figure 2. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Type in 2023
- Figure 4. Injection Molding Examples
- Figure 5. Extrusion Molding Examples
- Figure 6. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 7. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Application in 2023
- Figure 8. Roof Panel Examples
- Figure 9. Body Panels Examples
- Figure 10. Chassis Examples
- Figure 11. Others Examples
- Figure 12. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 13. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 14. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity (2019-2030) & (K MT)
- Figure 15. Global Automotive Carbon Fiber Reinforced Polyamide Average Price (2019-2030) & (USD/K MT)
- Figure 16. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Manufacturer in 2023
- Figure 17. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Manufacturer in 2023
- Figure 18. Producer Shipments of Automotive Carbon Fiber Reinforced Polyamide by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 19. Top 3 Automotive Carbon Fiber Reinforced Polyamide Manufacturer (Consumption Value) Market Share in 2023
- Figure 20. Top 6 Automotive Carbon Fiber Reinforced Polyamide Manufacturer (Consumption Value) Market Share in 2023
- Figure 21. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Region (2019-2030)



Figure 22. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Region (2019-2030)

Figure 23. North America Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030) & (USD Million)

Figure 24. Europe Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030) & (USD Million)

Figure 25. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030) & (USD Million)

Figure 26. South America Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030) & (USD Million)

Figure 27. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Consumption Value (2019-2030) & (USD Million)

Figure 28. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Type (2019-2030)

Figure 29. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Type (2019-2030)

Figure 30. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Type (2019-2030) & (USD/K MT)

Figure 31. Global Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Application (2019-2030)

Figure 32. Global Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Application (2019-2030)

Figure 33. Global Automotive Carbon Fiber Reinforced Polyamide Average Price by Application (2019-2030) & (USD/K MT)

Figure 34. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Type (2019-2030)

Figure 35. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Application (2019-2030)

Figure 36. North America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Country (2019-2030)

Figure 37. North America Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Country (2019-2030)

Figure 38. United States Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Canada Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Mexico Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity

Market Share by Type (2019-2030)

Figure 42. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity

Market Share by Application (2019-2030)

Figure 43. Europe Automotive Carbon Fiber Reinforced Polyamide Sales Quantity

Market Share by Country (2019-2030)

Figure 44. Europe Automotive Carbon Fiber Reinforced Polyamide Consumption Value

Market Share by Country (2019-2030)

Figure 45. Germany Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. France Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. United Kingdom Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Russia Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Italy Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Type (2019-2030)

Figure 51. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Application (2019-2030)

Figure 52. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Region (2019-2030)

Figure 53. Asia-Pacific Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Region (2019-2030)

Figure 54. China Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Japan Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Korea Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. India Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Southeast Asia Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Australia Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Type (2019-2030)

- Figure 61. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Application (2019-2030)
- Figure 62. South America Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Country (2019-2030)
- Figure 63. South America Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Country (2019-2030)
- Figure 64. Brazil Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 65. Argentina Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 66. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Type (2019-2030)
- Figure 67. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Application (2019-2030)
- Figure 68. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Sales Quantity Market Share by Region (2019-2030)
- Figure 69. Middle East & Africa Automotive Carbon Fiber Reinforced Polyamide Consumption Value Market Share by Region (2019-2030)
- Figure 70. Turkey Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 71. Egypt Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 72. Saudi Arabia Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 73. South Africa Automotive Carbon Fiber Reinforced Polyamide Consumption Value and Growth Rate (2019-2030) & (USD Million)
- Figure 74. Automotive Carbon Fiber Reinforced Polyamide Market Drivers
- Figure 75. Automotive Carbon Fiber Reinforced Polyamide Market Restraints
- Figure 76. Automotive Carbon Fiber Reinforced Polyamide Market Trends
- Figure 77. Porters Five Forces Analysis
- Figure 78. Manufacturing Cost Structure Analysis of Automotive Carbon Fiber Reinforced Polyamide in 2023
- Figure 79. Manufacturing Process Analysis of Automotive Carbon Fiber Reinforced Polyamide
- Figure 80. Automotive Carbon Fiber Reinforced Polyamide Industrial Chain
- Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors
- Figure 82. Direct Channel Pros & Cons
- Figure 83. Indirect Channel Pros & Cons
- Figure 84. Methodology



## Figure 85. Research Process and Data Source

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