

# **Global CF & CFRP Market Size study, by Raw Material Type (Polyacrylonitrile (Pan-Based) Carbon Fibres, Pitch-Based Carbon Fibre, Rayon-Based Carbon Fibre), by Resin Type (Thermosetting CFRP, Thermoplastic CFRP), by Manufacturing Process (Lay-Up Process, Compression Molding Process, Resin Transfer Molding Process, Filament Winding Process, Injection Molding Process, Pultrusion Process, Other Processes), by End-Use Industry (Aerospace & Defense, Wind Energy, Automotive, Sporting Goods, Civil Engineering, Pipe & Tank, Marine, Electrical & Electronics, Medical, Other Applications) and Regional Forecasts 2019-2026**

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## **Abstracts**

Global CF & CFRP Market is valued approximately USD 25.04 billion in 2018 and is anticipated to grow with a healthy growth rate of more than 10.40% over the forecast period 2019-2026. Carbon fibre reinforced polymer/plastic is a light weight and strong material that is used in various industries such as aerospace & defense, wind energy, automotive, sporting goods, civil engineering, pipe & tank, marine, electrical & electronics and medical. Due to light weight property of carbon fibre and carbon fibre reinforcement plastics, aircraft manufacturers including Airbus and Boeing are adopting carbon fibre material to manufacture various components in order to reduce weight and increase fuel efficiency. Thus, the aerospace and aircraft industry is expected to contribute significantly in the growth of CF & CFRP market. Further, the increase in

deployment of components made of carbon fibre material in automotive industry in order to achieve higher fuel efficiency is expected to create a lucrative growth in the CF & CFRP market. For instance: in April 2017, Magna International Inc. announced that it is ready to revise the large structural parts it supplies out of carbon fiber. The increasing focus on producing electricity from renewable sources of energy has placed the carbon fibre reinforcement plastic products on surging trend. Moreover, the growing demand for CF & CFRP materials from the emerging economies and the increasing potential opportunities in new applications are the few factors that are expected to create lucrative growth opportunities for the CF & CFRP market over the forecast period. However, high cost of production and the inability to reduce the cycle time are the factors likely to restrain the market growth.

The regional analysis of global CF & CFRP Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the increasing demand of superior performance products in the aerospace & defense industry, demand from Heavy-Duty Vehicle (HDV) and Medium-Duty Vehicle (MDV) for type-II and type-III CNG cylinders, ease of availability of raw materials for CFRP and other developmental strategies in the region. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2019-2026. Factors such as increasing investments in renewable energy and rapidly growing aviation industry would create lucrative growth prospects for the Building Information Modeling (BIM) market across Asia-Pacific region.

Major market player included in this report are:

Toray Industries Inc.

Teijin Limited

Mitsubishi Chemical Holdings Corporation

SGL Group

Formosa Plastics Corporation

Hexcel Corporation

Hyosung

Tencate

Dowaksa

Cytec Solvay Group

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within

each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

**By Raw Material Type:**

- Polyacrylonitrile (Pan-Based) Carbon Fibres
- Pitch-Based Carbon Fibre
- Rayon-Based Carbon Fibre

**By Resin Type:**

- Thermosetting CFRP
- Thermoplastic CFRP

**By Manufacturing Process:**

- Lay-Up Process
- Compression Molding Process
- Resin Transfer Molding Process
- Filament Winding Process
- Injection Molding Process
- Pultrusion Process
- Other Processes

**By End-Use Industry:**

- Aerospace & Defense
- Wind Energy
- Automotive
- Sporting Goods
- Civil Engineering
- Pipe & Tank
- Marine
- Electrical & Electronics
- Medical
- Other Applications

**By Region:**

- North America

U.S.  
Canada  
Europe  
UK  
Germany  
Asia Pacific  
China  
India  
Japan  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Global CF & CFRP Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2017-2026 (USD Billion)
  - 1.2.1. CF & CFRP Market, by Raw Material Type, 2017-2026 (USD Billion)
  - 1.2.2. CF & CFRP Market, by Resin Type, 2017-2026 (USD Billion)
  - 1.2.3. CF & CFRP Market, by Manufacturing Process, 2017-2026 (USD Billion)
  - 1.2.4. CF & CFRP Market, by End-Use Industry, 2017-2026 (USD Billion)
  - 1.2.5. CF & CFRP Market, by Region, 2017-2026 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL CF & CFRP MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Scope of the Study
  - 2.2.2. Sensor Type Evolution
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL CF & CFRP MARKET DYNAMICS

- 3.1. CF & CFRP Market Impact Analysis (2018-2026)
  - 3.1.1. Market Drivers
  - 3.1.2. Market Challenges
  - 3.1.3. Market Opportunities

### CHAPTER 4. GLOBAL CF & CFRP MARKET SENSOR TYPE ANALYSIS

- 4.1. Porter's 5 Force Model
  - 4.1.1. Bargaining Power of Suppliers
  - 4.1.2. Bargaining Power of Buyers
  - 4.1.3. Threat of New Entrants
  - 4.1.4. Threat of Substitutes
  - 4.1.5. Competitive Rivalry

- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2016-2026)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL CF & CFRP MARKET, BY RAW MATERIAL TYPE**

- 5.1. Market Snapshot
- 5.2. Global CF & CFRP Market by Raw Material Type, Performance - Potential Analysis
- 5.3. Global CF & CFRP Market Estimates & Forecasts by Raw Material Type 2016-2026 (USD Billion)
- 5.4. CF & CFRP Market, Sub Segment Analysis
  - 5.4.1. Polyacrylonitrile (Pan-Based) Carbon Fibres
  - 5.4.2. Pitch-Based Carbon Fibre
  - 5.4.3. Rayon-Based Carbon Fibre

## **CHAPTER 6. GLOBAL CF & CFRP MARKET, BY RESIN TYPE**

- 6.1. Market Snapshot
- 6.2. Global CF & CFRP Market by Resin Type, Performance - Potential Analysis
- 6.3. Global CF & CFRP Market Estimates & Forecasts by Resin Type, 2016-2026 (USD Billion)
- 6.4. CF & CFRP Market, Sub Segment Analysis
  - 6.4.1. Thermosetting CFRP
  - 6.4.2. Thermoplastic CFRP

## **CHAPTER 7. GLOBAL CF & CFRP MARKET, BY MANUFACTURING PROCESS**

- 7.1. Market Snapshot
- 7.2. Global CF & CFRP Market by Manufacturing Process, Performance - Potential Analysis
- 7.3. Global CF & CFRP Market Estimates & Forecasts by Manufacturing Process, 2016-2026 (USD Billion)
- 7.4. CF & CFRP Market, Sub Segment Analysis
  - 7.4.1. Lay-Up Process

- 7.4.2. Compression Molding Process
- 7.4.3. Resin Transfer Molding Process
- 7.4.4. Filament Winding Process
- 7.4.5. Injection Molding Process
- 7.4.6. Pultrusion Process
- 7.4.7. Other Processes

## **CHAPTER 8. GLOBAL CF & CFRP MARKET, BY END-USE INDUSTRY**

- 8.1. Market Snapshot
- 8.2. Global CF & CFRP Market by End-Use Industry, Performance - Potential Analysis
- 8.3. Global CF & CFRP Market Estimates & Forecasts by End-Use Industry, 2016-2026 (USD Billion)
- 8.4. CF & CFRP Market, Sub Segment Analysis
  - 8.4.1. Aerospace & Defense
  - 8.4.2. Wind Energy
  - 8.4.3. Automotive
  - 8.4.4. Sporting Goods
  - 8.4.5. Civil Engineering
  - 8.4.6. Pipe & Tank
  - 8.4.7. Marine
  - 8.4.8. Electrical & Electronics
  - 8.4.9. Medical
  - 8.4.10. Other Applications

## **CHAPTER 9. GLOBAL CF & CFRP MARKET, REGIONAL ANALYSIS**

- 9.1. CF & CFRP Market, Regional Market Snapshot
- 9.2. North America CF & CFRP Market
  - 9.2.1. U.S. CF & CFRP Market
    - 9.2.1.1. Raw Material Type breakdown estimates & forecasts, 2016-2026
    - 9.2.1.2. Resin Type breakdown estimates & forecasts, 2016-2026
    - 9.2.1.3. Manufacturing Process breakdown estimates & forecasts, 2016-2026
    - 9.2.1.4. End-Use Industry breakdown estimates & forecasts, 2016-2026
  - 9.2.2. Canada CF & CFRP Market
- 9.3. Europe CF & CFRP Market Snapshot
  - 9.3.1. U.K. CF & CFRP Market
  - 9.3.2. Rest of Europe CF & CFRP Market
- 9.4. Asia-Pacific CF & CFRP Market Snapshot

- 9.4.1. China CF & CFRP Market
- 9.4.2. India CF & CFRP Market
- 9.4.3. Japan CF & CFRP Market
- 9.4.4. Rest of Asia Pacific CF & CFRP Market
- 9.5. Latin America CF & CFRP Market Snapshot
  - 9.5.1. Brazil CF & CFRP Market
  - 9.5.2. Mexico CF & CFRP Market
- 9.6. Rest of The World CF & CFRP Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Top Market Strategies
- 10.2. Company Profiles
  - 10.2.1. Toray Industries Inc.
    - 10.2.1.1. Key Information
    - 10.2.1.2. Overview
    - 10.2.1.3. Financial (Subject To Data Availability)
    - 10.2.1.4. Sensor Type Summary
    - 10.2.1.5. Recent Developments
  - 10.2.2. Teijin Limited
  - 10.2.3. Mitsubishi Chemical Holdings Corporation
  - 10.2.4. SGL Group
  - 10.2.5. Formosa Plastics Corporation
  - 10.2.6. Hexcel Corporation
  - 10.2.7. Hyosung
  - 10.2.8. Tencate
  - 10.2.9. Dowaksa
  - 10.2.10. Cytec Solvay Group

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes
- 11.3. Research Assumption





## List Of Tables

### LIST OF TABLES

TABLE 1. LIST OF SECONDARY SOURCES, USED IN THE STUDY OF GLOBAL CF & CFRP MARKET

TABLE 2. LIST OF PRIMARY SOURCES, USED IN THE STUDY OF GLOBAL CF & CFRP MARKET

TABLE 3. GLOBAL CF & CFRP MARKET, REPORT SCOPE

TABLE 4. YEARS CONSIDERED FOR THE STUDY

TABLE 5. EXCHANGE RATES CONSIDERED

TABLE 6. GLOBAL CF & CFRP MARKET ESTIMATES & FORECASTS BY REGION 2016-2026 (USD BILLION)

TABLE 7. GLOBAL CF & CFRP MARKET ESTIMATES & FORECASTS BY RAW MATERIAL TYPE 2016-2026 (USD BILLION)

TABLE 8. GLOBAL CF & CFRP MARKET ESTIMATES & FORECASTS BY RESIN TYPE 2016-2026 (USD BILLION)

TABLE 9. GLOBAL CF & CFRP MARKET ESTIMATES & FORECASTS BY MANUFACTURING PROCESS 2016-2026 (USD BILLION)

TABLE 10. GLOBAL CF & CFRP MARKET ESTIMATES & FORECASTS BY END USE INDUSTRY 2016-2026 (USD BILLION)

TABLE 11. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 12. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 13. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 14. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 15. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 16. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 17. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 18. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 19. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 20. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 21. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 22. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 23. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 24. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 25. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 26. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 27. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 28. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 29. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 30. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 31. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 32. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 33. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 34. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 35. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 36. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 37. GLOBAL CF & CFRP MARKET BY SEGMENT, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 38. GLOBAL CF & CFRP MARKET BY REGION, ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 39. U.S. CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD

BILLION)

TABLE 40. U.S. CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 41. U.S. CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 42. U.S. CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 43. U.S. CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 44. CANADA CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026  
(USD BILLION)

TABLE 45. CANADA CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 46. CANADA CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 47. CANADA CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 48. CANADA CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 49. UK CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD  
BILLION)

TABLE 50. UK CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 51. UK CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 52. UK CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 53. UK CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 54. GERMANY CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026  
(USD BILLION)

TABLE 55. GERMANY CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 56. GERMANY CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 57. GERMANY CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 58. GERMANY CF & CFRP MARKET ESTIMATES & FORECASTS BY  
SEGMENT 2016-2026 (USD BILLION)

TABLE 59. ROE CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 60. ROE CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 61. ROE CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 62. ROE CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 63. ROE CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 64. CHINA CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 65. CHINA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 66. CHINA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 67. CHINA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 68. CHINA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 69. INDIA CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 70. INDIA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 71. INDIA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 72. INDIA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 73. INDIA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 74. JAPAN CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 75. JAPAN CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 76. JAPAN CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 77. JAPAN CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 78. JAPAN CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT

2016-2026 (USD BILLION)

TABLE 79. ROAPAC CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 80. ROAPAC CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 81. ROAPAC CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 82. ROAPAC CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 83. ROAPAC CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 84. BRAZIL CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 85. BRAZIL CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 86. BRAZIL CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 87. BRAZIL CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 88. BRAZIL CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 89. MEXICO CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 90. MEXICO CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 91. MEXICO CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 92. MEXICO CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 93. MEXICO CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 94. ROLA CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD BILLION)

TABLE 95. ROLA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 96. ROLA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 97. ROLA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT 2016-2026 (USD BILLION)

TABLE 98. ROLA CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 99. ROW CF & CFRP MARKET ESTIMATES & FORECASTS, 2016-2026 (USD  
BILLION)

TABLE 100. ROW CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 101. ROW CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 102. ROW CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

TABLE 103. ROW CF & CFRP MARKET ESTIMATES & FORECASTS BY SEGMENT  
2016-2026 (USD BILLION)

## List Of Figures

### LIST OF FIGURES

- FIG 1. GLOBAL CF & CFRP MARKET, RESEARCH METHODOLOGY
- FIG 2. GLOBAL CF & CFRP MARKET, MARKET ESTIMATION BUILDING TYPES
- FIG 3. GLOBAL MARKET SIZE ESTIMATES & FORECAST METHODS
- FIG 4. GLOBAL CF & CFRP MARKET, KEY TRENDS 2018
- FIG 5. GLOBAL CF & CFRP MARKET, GROWTH PROSPECTS 2019-2026
- FIG 6. GLOBAL CF & CFRP MARKET, PORTERS 5 FORCE MODEL
- FIG 7. GLOBAL CF & CFRP MARKET, PEST ANALYSIS
- FIG 8. GLOBAL CF & CFRP MARKET, VALUE CHAIN ANALYSIS
- FIG 9. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 10. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 11. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 12. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 13. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 14. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 15. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 16. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 17. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 18. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 19. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 20. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 21. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 22. GLOBAL CF & CFRP MARKET BY SEGMENT, 2016 & 2026 (USD BILLION)
- FIG 23. GLOBAL CF & CFRP MARKET, REGIONAL SNAPSHOT 2016 & 2026
- FIG 24. NORTH AMERICA CF & CFRP MARKET 2016 & 2026 (USD BILLION)
- FIG 25. EUROPE CF & CFRP MARKET 2016 & 2026 (USD BILLION)
- FIG 26. ASIA PACIFIC CF & CFRP MARKET 2016 & 2026 (USD BILLION)
- FIG 27. LATIN AMERICA CF & CFRP MARKET 2016 & 2026 (USD BILLION)
- FIG 28. GLOBAL CF & CFRP MARKET, COMPANY MARKET SHARE ANALYSIS (2018)



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