

Global Carbon Fiber Market – Analysis By Raw Material (PAN, Pitch and Rayon), Fiber Type (Virgin, Recycled), End User, By Region, By Country (2021 Edition): Market Insights and Forecast with Impact of COVID-19 (2021-2026)

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Abstracts

Executive Summary

The Global Carbon Fiber market was valued at USD 3216.54 million in the year 2020 with the European region leading the market share. The carbon Fiber market is majorly driven by the aerospace industry to enhance the performance and efficiency of aircraft. The superior physical strength, low coefficient of thermal expansion, high dimensional stability, and low abrasion characteristics of carbon fiber complement its applications in aerospace antennas, aircraft brakes, and support structures. Moreover, the booming wind energy sector is generating strong demand for carbon fiber for its use in wind blades. The exceptional fatigue and corrosion resistance property of carbon material enhance the longevity of wind blades. Further, the growing adoption of clean energy technologies to reduce emissions is expected to further drive the carbon fibre market in the forecast period.

The rising demand for lightweight materials, along with government initiatives to reduce harmful gas emissions and increase fuel efficiency, is expected to drive the market for carbon fiber in other transporting applications such as automotive and marine industries. Carbon fiber, due to lightweight, high thermal stability and electrical conductivity, are widely used in various important automotive components, such as disk brakes, wheels, automobile hoods, and others, owing to this carbon fiber share from automotive applications is predicted to expand significantly in the upcoming years. Further, rising carbon fiber consumption is also expected due to the increasing

production of vehicles to cater to strong consumer demand. Other than automotive applications, carbon Fiber has also significant growth potential in infrastructure, marine engineering and electronic applications.

Among the regions, the Asia Pacific region is estimated to be the fastest-growing market for carbon fiber during 2021-26. The growth of the Asia Pacific market can be attributed to the increasing investments of R&D in the automotive & wind energy end-use industry. Additionally, increasing production of the manufacturing sector of the Asia Pacific region to cater for the domestic requirements for superior quality products and rising exports from Japan and China leading to an increased demand for carbon fiber from the region.

Scope of the Report

The report analyses the Carbon Fiber Market by Value (USD Million).

The report analyses the Security Services Market by Raw Material Type (Polyacrylonitrile, Pitch & Rayon).

The report analyses the Carbon Fiber Market by Fiber Type (Virgin, Recycled).

The report analyses the Carbon Fiber Market by End Users (Aviation, Aerospace & Defense, Automotive, Wind Energy, Construction, Sports Equipment, Others).

The Global Carbon Fiber Market has been analysed By Region (America, Europe, Asia Pacific, MEA).

The Global Carbon Fiber Market has been analysed By Country (United States, Canada, Germany, France, United Kingdom, Spain, China, Japan, India, South Korea).

The key insights of the report have been presented through the frameworks of SWOT Analysis. Also, the attractiveness of the market has been presented by region, by Raw Material, by Fiber Type, by End User.

Also, the major opportunities, trends, drivers and challenges of the industry have been analysed in the report.

The report tracks competitive developments, strategies and new product development. The companies analysed in the report include Toray Industries Co., Ltd. Teijin Limited, Hexcel Corporation, SGL Carbon, Mitsubishi Chemical, Formosa Plastics, Hyosung Corporation, Solvay Corporation, Nippon Carbon Co., Ltd., Kureha Corporation

The report presents the analysis of the Carbon Fiber market for the historical period of 2016-2020 and the forecast period of 2021-2026.

Key Target Audience

Carbon Fiber Manufacturing Companies

Consulting and Advisory Firms

Government and Policy Makers

Regulatory Authorities

Contents

1. REPORT SCOPE AND METHODOLOGY

- 1.1 Scope of the Report
- 1.2 Research Methodology
- 1.3 Executive Summary

2. STRATEGIC RECOMMENDATIONS

3. CARBON FIBER MARKET: PRODUCT OVERVIEW

4. GLOBAL CARBON FIBER MARKET: AN ANALYSIS

- 4.1 Market Size, By Value, 2016-2026
- 4.2 Market Size, By Volume, 2016-2026
- 4.3 Impact of COVID-19 on Carbon Fiber Market
- 4.4 Global Carbon Fiber Market

5. GLOBAL CARBON FIBER MARKET SEGMENTATION, BY RAW MATERIAL (VALUE)

- 5.1 Global Carbon Fiber Market: Segment Analysis
- 5.2 Competitive Scenario of Carbon Fiber Market: By Raw Material (2020 & 2026)
- 5.3 By Polyacrylonitrile (PAN)– Market Size and Forecast (2016-2026)
- 5.4 By Pitch & Rayon– Market Size and Forecast (2016-2026)

6. GLOBAL CARBON FIBER MARKET SEGMENTATION, BY FIBER TYPE (VALUE)

- 6.1 Global Carbon Fiber Market: Segment Analysis
- 6.2 Competitive Scenario of Carbon Fiber Market: By Fiber Type (2020 & 2026)
- 6.3 By Virgin– Market Size and Forecast (2016-2026)
- 6.4 By Recycled– Market Size and Forecast (2016-2026)

7. GLOBAL CARBON FIBER MARKET SEGMENTATION, BY END USER (VALUE)

- 7.1 Global Carbon Fiber Market: Segment Analysis
- 7.2 Competitive Scenario of Global Carbon Fiber Market: By End User (2020 & 2026)
- 7.3 By Aviation, Aerospace & Defense– Market Size and Forecast (2016-2026)

- 7.4 By Automotive– Market Size and Forecast (2016-2026)
- 7.5 By Wind Energy– Market Size and Forecast (2016-2026)
- 7.6 By Construction– Market Size and Forecast (2016-2026)
- 7.7 By Sports Equipment– Market Size and Forecast (2016-2026)
- 7.8 By Others– Market Size and Forecast (2016-2026)

8. GLOBAL CARBON FIBER MARKET: REGIONAL ANALYSIS

- 8.1 Competitive Scenario of Global Carbon Fiber Market: By Region (2020 & 2026)

9. AMERICAS CARBON FIBER MARKET: AN ANALYSIS (2016-2026)

- 9.1 Americas Carbon Fiber Market by value: Size and Forecast (2016-2026)
- 9.2 Americas Carbon Fiber Market: Prominent Companies
- 9.3 Market Segmentation By Raw Material (Polyacrylonitrile, Pitch & Rayon)
- 9.4 Market Segmentation By Fiber Type (Virgin, Recycled)
- 9.5 Market Segmentation By End User (Aviation, Aerospace & Defense, Automotive, Wind Energy, Construction, Sports Equipment, Others)
- 9.6 Americas Carbon Fiber Market: Country Analysis
- 9.7 Market Opportunity Chart of Americas Carbon Fiber Market - By Country, By Value (Year-2026)
- 9.8 Competitive Scenario of Americas Carbon Fiber Market– By Country (2020 & 2026)
- 9.9 United States Carbon Fiber Market: Size and Forecast (2016-2026)
- 9.10 United States Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)
- 9.11 Canada Carbon Fiber Market: Size and Forecast (2016-2026)
- 9.12 Canada Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

10. EUROPE CARBON FIBER MARKET: AN ANALYSIS (2016-2026)

- 10.1 Europe Carbon Fiber Market by value: Size and Forecast (2016-2026)
- 10.2 Europe Carbon Fiber Market: Prominent Companies
- 10.3 Market Segmentation By Raw Material (Polyacrylonitrile, Pitch & Rayon)
- 10.4 Market Segmentation By Fiber Type (Virgin, Recycled)
- 10.5 Market Segmentation By End User (Aviation, Aerospace & Defense, Automotive, Wind Energy, Construction, Sports Equipment, Others)
- 10.6 Europe Carbon Fiber Market: Country Analysis
- 10.7 Market Opportunity Chart of Europe Carbon Fiber Market - By Country, By Value

(Year-2026)

10.8 Competitive Scenario of Europe Carbon Fiber Market– By Country (2020 & 2026)

10.9 Germany Carbon Fiber Market: Size and Forecast (2016-2026)

10.10 Germany Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

10.11 France Carbon Fiber Market: Size and Forecast (2016-2026)

10.12 France Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

10.13 United Kingdom Carbon Fiber Market: Size and Forecast (2016-2026)

10.14 United Kingdom Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

10.15 Spain Carbon Fiber Market: Size and Forecast (2016-2026)

10.16 Spain Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

11. ASIA PACIFIC CARBON FIBER MARKET: AN ANALYSIS (2016-2026)

11.1 Asia Pacific Carbon Fiber Market by value: Size and Forecast (2016-2026)

11.2 Asia-Pacific Carbon Fiber Market: Prominent Companies

11.3 Market Segmentation By Raw Material (Polyacrylonitrile, Pitch & Rayon)

11.4 Market Segmentation By Fiber Type (Virgin, Recycled)

11.5 Market Segmentation By End User (Aviation, Aerospace & Defense, Automotive, Wind Energy, Construction, Sports Equipment, Others)

11.6 Asia-Pacific Carbon Fiber Market: Country Analysis

11.7 Market Opportunity Chart of Asia-Pacific Carbon Fiber Market - By Country, By Value (Year-2026)

11.8 Competitive Scenario of Asia-Pacific Carbon Fiber Market– By Country (2020 & 2026)

11.9 China Carbon Fiber Market: Size and Forecast (2016-2026)

11.10 China Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

11.11 Japan Carbon Fiber Market: Size and Forecast (2016-2026)

11.12 Japan Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

11.13 India Carbon Fiber Market: Size and Forecast (2016-2026)

11.14 India Carbon Fiber Market Segmentation By Raw Material, By Fiber Type, By End User (2016-2026)

11.15 South Korea Carbon Fiber Market: Size and Forecast (2016-2026)

11.16 South Korea Carbon Fiber Market Segmentation By Raw Material, By Fiber Type,

By End User (2016-2026)

12. GLOBAL CARBON FIBER MARKET DYNAMICS

- 12.1 Global Carbon Fiber Market Drivers
- 12.2 Global Carbon Fiber Market Restraints
- 12.3 Global Carbon Fiber Market Trends

13. MARKET ATTRACTIVENESS AND STRATEGIC ANALYSIS

- 13.1 Market Attractiveness Chart of Global Carbon Fiber Market - By Raw Material (Year 2026)
- 13.2 Market Attractiveness Chart of Global Carbon Fiber Market - By Fiber Type (Year 2026)
- 13.3 Market Attractiveness Chart of Global Carbon Fiber Market - By End User (Year 2026)
- 13.4 Market Attractiveness Chart of Global Carbon Fiber Market – By Region (Year 2026)

14. COMPETITIVE LANDSCAPE

- 14.1 Market Share of global leading companies
- 14.2 SWOT Analysis– Global Carbon Fiber Market
- 14.3 Porter Five Force Analysis– Global Carbon Fiber Market

15. GLOBAL CARBON FIBER MARKET: MERGER & ACQUISITIONS

16. COMPANY PROFILES (BUSINESS DESCRIPTION, FINANCIAL ANALYSIS, BUSINESS STRATEGY)

- 16.1 Toray Industries Ltd
- 16.2 Teijin Ltd
- 16.3 Hexcel Corporation
- 16.4 SGL Carbon
- 16.5 Mitsubishi Chemical
- 16.6 Formosa Plastics
- 16.7 Hyosung Corporation
- 16.8 Solvay
- 16.9 Nippon Carbon Co., Ltd

16.10 Kureha Corporation

List Of Figures

LIST OF FIGURES

- Figure 1: Global Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)
- Figure 2: Global Carbon Fiber Market Size, By Volume, 2016-2026 ('000 Tonnes)
- Figure 3: Global Carbon Fiber demand by industrial applications (in Tonnes) 2015-2024
- Figure 4: Global Carbon Fiber demand (Thousand Tonnes) 2016-20
- Figure 5: Gloabl Wind Energy Capacity (MW) 2020
- Figure 6: Global EV Sales, (Thousands), 2016-20
- Figure 7: Global Passenger Car Production (Millions), 2014-2019
- Figure 8: Global LCV Production (Millions), 2014-19
- Figure 9: Global Carbon Fiber Market- By Raw Material Market Share, 2020 & 2026
- Figure 10: Global Carbon Fiber Market- By Polyacrylonitrile (PAN), By Value (USD Million), 2016-2026
- Figure 11: Global Carbon Fiber Market- By Pitch & Rayon, By Value (USD Million), 2016-2026
- Figure 12: Global Carbon Fiber Market- By Fiber Type Market Share, 2020 & 2026
- Figure 13: Global Carbon Fiber Market- By Virgin, By Value (USD Million), 2016-2026
- Figure 14: Global Carbon Fiber Market- By Recycled, By Value (USD Million), 2016-2026
- Figure 15: Global Carbon Fiber Market- By End User Market Share, 2020 & 2026
- Figure 16: Global Carbon Fiber Market- By Aviation, Aerospace & Defense, By Value (USD Million), 2016-2026
- Figure 17: Global Carbon Fiber Market- By Automotive, By Value (USD Million), 2016-2026
- Figure 18: Global Carbon Fiber Market- By Wind Energy, By Value (USD Million), 2016-2026
- Figure 19: Global Carbon Fiber Market- By Construction, By Value (USD Million), 2016-2026
- Figure 20: Global Carbon Fiber Market- By Sports Equipment, By Value (USD Million), 2016-2026
- Figure 21: Global Carbon Fiber Market- By Others, By Value (USD Million), 2016-2026
- Figure 22: Global Carbon Fiber Market- By Region Market Share, 2020 & 2026
- Figure 23: Americas Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)
- Figure 24: Americas Wind Energy Generation (TWH), 2015-20
- Figure 25: Americas Wind Energy Capacity, (MW), 2015-20
- Figure 26: Americas Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 27: Americas Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 28: Americas Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 29: Americas Passenger Car Production (Million), 2015-20

Figure 30: Americas Light Vehicle Production (Millions), 2015-2020

Figure 31: Market Opportunity Chart of Americas Carbon Fiber Market- By Country, By Value (Year-2026)

Figure 32: Americas Carbon Fiber Market- By Country Market Share, 2020 & 2026

Figure 33: United States Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 34: U.S. A&D Industry Output By Product (USD Billion), 2019

Figure 35: United States Industry, value added (annual % growth), 2015-19

Figure 36: United States Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 37: United States Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 38: United States Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 39: US Sales of Electric Vehicles, 2017, 2018 (In Number of Units)

Figure 40: Canada Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 41: Canada's aerospace sector activities by subsectors, 2019

Figure 42: Canada Wind Energy Capacity, (MW), 2015-20

Figure 43: Canada Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 44: Canada Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 45: Canada Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 46: Canada LCV Production (Millions), 2014-19

Figure 47: Canada Passenger Car Production (Thousands), 2014-19

Figure 48: Europe Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 49: Europe Civil Helicopters and Military Helicopters Fleet by Country, 2021

Figure 50: Europe Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 51: Europe Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 52: Europe Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 53: Europe LCV Production (Millions), 2015-20

Figure 54: Europe Wind Energy Generation (TWH), 2015-20

Figure 55: Market Opportunity Chart of Europe Carbon Fiber Market- By Country, By Value (Year-2026)

Figure 56: Europe Carbon Fiber Market- By Country Market Share, 2020 & 2026

Figure 57: Germany Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 58: Germany Luxury car sales worldwide by brands (Thousands), 2017-2019

Figure 59: Germany Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 60: Germany Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 61: Germany Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 62: Germany: Manufacturing value added as a proportion of GDP (%)

Figure 63: Germany Wind Energy Capacity, (MW), 2015-20

Figure 64: France Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 65: France Industry (including construction), value added (USD Billion) 2013-2018

Figure 66: France Wind Energy Generation (TWH), 2015-20

Figure 67: France Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 68: France Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 69: France Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 70: France LCV Production (Thousands), 2015-20

Figure 71: France Electric car registration (in Thousands), 2016-2020

Figure 72: United Kingdom Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 73: United Kingdom manufacturing value added (Billion), 2015-20

Figure 74: United Kingdom Wind Energy Capacity, (MW), 2015-20

Figure 75: United Kingdom Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 76: United Kingdom Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 77: United Kingdom Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 78: UK Production of All Vehicles (In Millions) 2015-2020

Figure 79: U.K LCV Production (Thousands), 2015-20

Figure 80: Spain Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 81: Spain Manufacturing Value Added (USD Billions), 2015-20

Figure 82: Spain Number of Electric Vehicles (Thousands), 2015-2019

Figure 83: Spain Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 84: Spain Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 85: Spain Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 86: Spain Manufacturing Value Added Including Construction (USD Billions), 2015-20

Figure 87: Spain Wind Energy Capacity, (MW), 2015-20

Figure 88: Asia Pacific Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 89: Asia Pacific wind energy capacity (MW), 2015-2020

Figure 90: Asia Pacific Oil Consumption (Millions Tonnes), 2014-19

Figure 91: Asia Pacific Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 92: Asia Pacific Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 93: Asia Pacific Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 94: APAC LCV Production (Millions), 2015-20

Figure 95: Asian developing countries manufacturing growth rate (%)

Figure 96: Market Opportunity Chart of APAC Carbon Fiber Market- By Country, By Value (Year-2026)

Figure 97: APAC Carbon Fiber Market- By Country Market Share, 2020 & 2026

Figure 98: China Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 99: China Wind Energy Generation (TWH) 2015-2020

Figure 100: China wind energy capacity (MW), 2015-2020

Figure 101: China Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 102: China Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 103: China Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 104: China Passenger Car Production (Millions), 2015-20

Figure 105: China Electric car registrations (in thousands), 2016-2020

Figure 106: Japan Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 107: Japan: Manufacturing value added as a proportion of GDP (%)

Figure 108: Japan Wind Energy Capacity, (MW), 2016-20

Figure 109: Japan Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 110: Japan Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 111: Japan Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 112: Investments in equipment of Automotive sector (100 Billion Yen), 2013-2017

Figure 113: Automotive exports in value terms (FOB), (In 100 Billion Yen), 2014-18

Figure 114: Automotive imports in value terms (CIF), (In 100 Billion Yen), 2014-18

Figure 115: India Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 116: India's Manufacturing Value added (USD Billion), 2015-20

Figure 117: India Industry (Including Construction), Value Added (USD Billion), 2014-19

Figure 118: India Wind Energy Generation (TWH), 2015-20

Figure 119: India Wind Energy Capacity, (MW), 2015-20

Figure 120: India Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 121: India Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 122: India Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 123: India Passenger car sales (Millions), 2014-19

Figure 124: India Total New vehicle sales (Millions), 2014-2019

Figure 125: South Korea Carbon Fiber Market Size, By Value, 2016-2026 (USD Million)

Figure 126: South Korea Manufacturing Value added (USD Billion), 2015-20

Figure 127: South Korea CO2 Emissions (metric tons per capita) 2014-18

Figure 128: South Korea Industry (Including Construction), Value Added (USD Billion), 2014-19

Figure 129: South Korea Wind Energy Capacity, (MW), 2015-20

Figure 130: South Korea Carbon Fiber Market- By Raw Material, By Value (USD Million), 2016-2026

Figure 131: South Korea Carbon Fiber Market- By Fiber Type, By Value (USD Million), 2016-2026

Figure 132: South Korea Carbon Fiber Market- By End User, By Value (USD Million), 2016-2026

Figure 133: South Korea New Electric Car Sales (Thousand), 2013-2018

Figure 134: South Korea LCV Production ('000), 2015-20

Figure 135: Market Attractiveness Chart of Global Carbon Fiber Market- By Raw Material (Year-2026)

Figure 136: Market Attractiveness Chart of Global Carbon Fiber Market- By Fiber Type (Year-2026)

Figure 137: Market Attractiveness Chart of Global Carbon Fiber Market- By End User (Year-2026)

Figure 138: Market Attractiveness Chart of Global Carbon Fiber Market- By Region (Year-2026)

Figure 139: Global Carbon Fiber manufacturers market share (%), 2020

Figure 140: Toray Industries Ltd. Annual Sales Revenue, 2016-2020 (USD Million)

Figure 141: Toray Industries Ltd. Net Income, 2016-2020 (USD Million)

Figure 142: Toray Industries Ltd. Sales Revenue, By Business Segment (%), FY2020

Figure 143: Toray Industries Ltd. Sales Revenue, By Geographical Segment (%), FY2020

Figure 144: Teijin Limited Annual Sales Revenue, 2016-2020 (USD Million)

Figure 145: Teijin Limited Net Income, 2016-2020 (USD Million)

Figure 146: Teijin Limited Sales Revenue, By Business Segment (%), FY2020

Figure 147: Teijin Limited Sales Revenue, By Geographical Segment (%), FY2020

Figure 148: Hexcel Corporation Annual Sales Revenue, 2016-2020 (USD Million)

Figure 149: Hexcel Corporation Net Income, 2016-2020 (USD Million)

Figure 150: Hexcel Corporation Sales Revenue, By Business Segment (%), FY2020

Figure 151: Hexcel Corporation Sales Revenue, By Geographical Segment (%), FY2020

Figure 152: SGL Carbon, Annual Sales Revenue, 2016-2020 (USD Million)

Figure 153: SGL Carbon Net Income, 2016-2020 (USD Million)

Figure 154: SGL Carbon Sales Revenue, By Business Segment (%), FY2020

Figure 155: SGL Carbon Sales Revenue, By Geographical Segment (%), FY2020

Figure 156: Mitsubishi Chemical Annual Sales Revenue, 2016-2020 (USD Million)

Figure 157: Mitsubishi Chemical Net Income, 2016-2020 (USD Million)

Figure 158: Mitsubishi Chemical Sales Revenue, By Business Segment (%), FY2020

Figure 159: Mitsubishi Chemical Sales Revenue, By Business Segment (%), FY2019

Figure 160: Formosa Plastics Annual Sales Revenue, 2016-2020 (USD Million)

Figure 161: Formosa Plastics Net Income, 2016-2020 (USD Million)

Figure 162: Formosa Plastics Sales Revenue, By Business Segment (%), FY2020

Figure 163: Formosa Plastics Sales Revenue, By Geographical Segment (%), FY2020

Figure 164: Hyosung Corporation Annual Sales Revenue, 2016-2020 (USD Million)

Figure 165: Hyosung Corporation Net Income, 2016-2020 (USD Million)

Figure 166: Hyosung Corporation Sales Revenue, By Business Segment (%), FY2020

Figure 167: Hyosung Corporation Sales Revenue, By Geographical Segment (%), FY2020

Figure 168: Solvay Annual Sales Revenue, 2016-2020 (USD Million)

Figure 169: Solvay Net Income, 2016-2020 (USD Million)

Figure 170: Solvay Sales Revenue, By Business Segment (%), Q12021

Figure 171: Solvay Sales Revenue, By Geographic Segment (%), Q12020

Figure 172: Nippon Carbon Co. Ltd., Annual Sales Revenue 2016-2018 (USD Million)

Figure 173: Nippon Carbon Co. Ltd., Net Income 2016-2018 (USD Million)

Figure 174: Kureha Corporation Annual Sales Revenue, 2016-2020 (USD Million)

Figure 175: Kureha Corporation Net Income, 2016-2020 (USD Million)

Figure 176: Kureha Corporation Sales Revenue, By Business Segment (%), FY2020

Figure 177: Kureha Corporation Sales Revenue, By Geographical Segment (%),
FY2020

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