

Global Carbon Fiber Unidirectional Prepreg Tapes Market Research Report 2026(Status and Outlook)

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Abstracts

Unidirectional carbon fiber tape is a type of carbon reinforcement that is non-woven and features all fibers running in a single, parallel direction. With this style of fabric, there are no gaps between fibers, and those fibers lay flat. There is no cross-section weave that divides the fiber strength in half with another direction. This allows for the concentrated density of fibers that provide maximum longitudinal tensile potential?greater than any other weave of fabric.

The global Carbon Fiber Unidirectional Prepreg Tapes market size was estimated at USD 785.4 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 9.75% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Carbon Fiber Unidirectional Prepreg Tapes market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Carbon Fiber Unidirectional Prepreg Tapes market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced

understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Carbon Fiber Unidirectional Prepreg Tapes market.

Global Carbon Fiber Unidirectional Prepreg Tapes Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Toray
Evonik
Zoltek
Solvay
Mitsubishi Rayon
Hexcel
Teijin
SGL
TCR Composites

Market Segmentation (by Type)

Polyacrylonitrile-based Carbon Fibers
Pitch-based Carbon Fibers

Market Segmentation (by Application)

Automotive
Wind Energy
Marine
Aerospace
Medical
Sports
Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Carbon Fiber Unidirectional Prepreg Tapes Market

Overview of the regional outlook of the Carbon Fiber Unidirectional Prepreg Tapes Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Carbon Fiber Unidirectional Prepreg Tapes Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Carbon Fiber Unidirectional Prepreg Tapes, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions
Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis
Provides insight into the market through Value Chain
Market dynamics scenario, along with growth opportunities of the market in the years to come
6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Carbon Fiber Unidirectional Prepreg Tapes

1.2 Key Market Segments

1.2.1 Carbon Fiber Unidirectional Prepreg Tapes Segment by Type

1.2.2 Carbon Fiber Unidirectional Prepreg Tapes Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Carbon Fiber Unidirectional Prepreg Tapes Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Carbon Fiber Unidirectional Prepreg Tapes Product Life Cycle

3.3 Global Carbon Fiber Unidirectional Prepreg Tapes Sales by Manufacturers (2020-2025)

3.4 Global Carbon Fiber Unidirectional Prepreg Tapes Revenue Market Share by Manufacturers (2020-2025)

3.5 Carbon Fiber Unidirectional Prepreg Tapes Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Carbon Fiber Unidirectional Prepreg Tapes Average Price by Manufacturers (2020-2025)

- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Carbon Fiber Unidirectional Prepreg Tapes Market Competitive Situation and Trends
 - 3.8.1 Carbon Fiber Unidirectional Prepreg Tapes Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Carbon Fiber Unidirectional Prepreg Tapes Players
- Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES INDUSTRY CHAIN ANALYSIS

- 4.1 Carbon Fiber Unidirectional Prepreg Tapes Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Carbon Fiber Unidirectional Prepreg Tapes Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Carbon Fiber Unidirectional Prepreg Tapes Market
- 5.7 ESG Ratings of Leading Companies

6 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Type (2020-2025)
- 6.3 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Type (2020-2025)
- 6.4 Global Carbon Fiber Unidirectional Prepreg Tapes Price by Type (2020-2025)

7 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Carbon Fiber Unidirectional Prepreg Tapes Market Sales by Application (2020-2025)
- 7.3 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size (M USD) by Application (2020-2025)
- 7.4 Global Carbon Fiber Unidirectional Prepreg Tapes Sales Growth Rate by Application (2020-2025)

8 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET SALES BY REGION

- 8.1 Global Carbon Fiber Unidirectional Prepreg Tapes Sales by Region
 - 8.1.1 Global Carbon Fiber Unidirectional Prepreg Tapes Sales by Region
 - 8.1.2 Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Region
- 8.2 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region
 - 8.2.1 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region
 - 8.2.2 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region
- 8.3 North America
 - 8.3.1 North America Carbon Fiber Unidirectional Prepreg Tapes Sales by Country
 - 8.3.2 North America Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview

8.4 Europe

- 8.4.1 Europe Carbon Fiber Unidirectional Prepreg Tapes Sales by Country
- 8.4.2 Europe Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country
- 8.4.3 Germany Market Overview
- 8.4.4 France Market Overview
- 8.4.5 U.K. Market Overview
- 8.4.6 Italy Market Overview
- 8.4.7 Spain Market Overview

8.5 Asia Pacific

- 8.5.1 Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Sales by Region
- 8.5.2 Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview

8.6 South America

- 8.6.1 South America Carbon Fiber Unidirectional Prepreg Tapes Sales by Country
- 8.6.2 South America Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country
- 8.6.3 Brazil Market Overview
- 8.6.4 Argentina Market Overview
- 8.6.5 Columbia Market Overview

8.7 Middle East and Africa

- 8.7.1 Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Sales by Region
- 8.7.2 Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region
- 8.7.3 Saudi Arabia Market Overview
- 8.7.4 UAE Market Overview
- 8.7.5 Egypt Market Overview
- 8.7.6 Nigeria Market Overview
- 8.7.7 South Africa Market Overview

9 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET PRODUCTION BY REGION

9.1 Global Production of Carbon Fiber Unidirectional Prepreg Tapes by Region(2020-2025)

9.2 Global Carbon Fiber Unidirectional Prepreg Tapes Revenue Market Share by Region (2020-2025)

9.3 Global Carbon Fiber Unidirectional Prepreg Tapes Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Carbon Fiber Unidirectional Prepreg Tapes Production

9.4.1 North America Carbon Fiber Unidirectional Prepreg Tapes Production Growth Rate (2020-2025)

9.4.2 North America Carbon Fiber Unidirectional Prepreg Tapes Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Carbon Fiber Unidirectional Prepreg Tapes Production

9.5.1 Europe Carbon Fiber Unidirectional Prepreg Tapes Production Growth Rate (2020-2025)

9.5.2 Europe Carbon Fiber Unidirectional Prepreg Tapes Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Carbon Fiber Unidirectional Prepreg Tapes Production (2020-2025)

9.6.1 Japan Carbon Fiber Unidirectional Prepreg Tapes Production Growth Rate (2020-2025)

9.6.2 Japan Carbon Fiber Unidirectional Prepreg Tapes Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Carbon Fiber Unidirectional Prepreg Tapes Production (2020-2025)

9.7.1 China Carbon Fiber Unidirectional Prepreg Tapes Production Growth Rate (2020-2025)

9.7.2 China Carbon Fiber Unidirectional Prepreg Tapes Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Toray

10.1.1 Toray Basic Information

10.1.2 Toray Carbon Fiber Unidirectional Prepreg Tapes Product Overview

10.1.3 Toray Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance

10.1.4 Toray Business Overview

10.1.5 Toray SWOT Analysis

10.1.6 Toray Recent Developments

10.2 Evonik

10.2.1 Evonik Basic Information

10.2.2 Evonik Carbon Fiber Unidirectional Prepreg Tapes Product Overview

10.2.3 Evonik Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance

- 10.2.4 Evonik Business Overview
- 10.2.5 Evonik SWOT Analysis
- 10.2.6 Evonik Recent Developments
- 10.3 Zoltek
 - 10.3.1 Zoltek Basic Information
 - 10.3.2 Zoltek Carbon Fiber Unidirectional Prepreg Tapes Product Overview
 - 10.3.3 Zoltek Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance
 - 10.3.4 Zoltek Business Overview
 - 10.3.5 Zoltek SWOT Analysis
 - 10.3.6 Zoltek Recent Developments
- 10.4 Solvay
 - 10.4.1 Solvay Basic Information
 - 10.4.2 Solvay Carbon Fiber Unidirectional Prepreg Tapes Product Overview
 - 10.4.3 Solvay Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance
 - 10.4.4 Solvay Business Overview
 - 10.4.5 Solvay Recent Developments
- 10.5 Mitsubishi Rayon
 - 10.5.1 Mitsubishi Rayon Basic Information
 - 10.5.2 Mitsubishi Rayon Carbon Fiber Unidirectional Prepreg Tapes Product Overview
 - 10.5.3 Mitsubishi Rayon Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance
 - 10.5.4 Mitsubishi Rayon Business Overview
 - 10.5.5 Mitsubishi Rayon Recent Developments
- 10.6 Hexcel
 - 10.6.1 Hexcel Basic Information
 - 10.6.2 Hexcel Carbon Fiber Unidirectional Prepreg Tapes Product Overview
 - 10.6.3 Hexcel Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance
 - 10.6.4 Hexcel Business Overview
 - 10.6.5 Hexcel Recent Developments
- 10.7 Teijin
 - 10.7.1 Teijin Basic Information
 - 10.7.2 Teijin Carbon Fiber Unidirectional Prepreg Tapes Product Overview
 - 10.7.3 Teijin Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance
 - 10.7.4 Teijin Business Overview
 - 10.7.5 Teijin Recent Developments
- 10.8 SGL
 - 10.8.1 SGL Basic Information

- 10.8.2 SGL Carbon Fiber Unidirectional Prepreg Tapes Product Overview
- 10.8.3 SGL Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance
- 10.8.4 SGL Business Overview
- 10.8.5 SGL Recent Developments
- 10.9 TCR Composites
 - 10.9.1 TCR Composites Basic Information
 - 10.9.2 TCR Composites Carbon Fiber Unidirectional Prepreg Tapes Product Overview
 - 10.9.3 TCR Composites Carbon Fiber Unidirectional Prepreg Tapes Product Market Performance
 - 10.9.4 TCR Composites Business Overview
 - 10.9.5 TCR Composites Recent Developments

11 CARBON FIBER UNIDIRECTIONAL PREPREG TAPES MARKET FORECAST BY REGION

- 11.1 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast
- 11.2 Global Carbon Fiber Unidirectional Prepreg Tapes Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Country
 - 11.2.3 Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Region
 - 11.2.4 South America Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Carbon Fiber Unidirectional Prepreg Tapes by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

- 12.1 Global Carbon Fiber Unidirectional Prepreg Tapes Market Forecast by Type (2026-2035)
 - 12.1.1 Global Forecasted Sales of Carbon Fiber Unidirectional Prepreg Tapes by Type (2026-2035)
 - 12.1.2 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Type (2026-2035)
 - 12.1.3 Global Forecasted Price of Carbon Fiber Unidirectional Prepreg Tapes by Type (2026-2035)
- 12.2 Global Carbon Fiber Unidirectional Prepreg Tapes Market Forecast by Application (2026-2035)

12.2.1 Global Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT) Forecast by Application

12.2.2 Global Carbon Fiber Unidirectional Prepreg Tapes Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Type (M USD)

Table 4. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Application

Table 5. Carbon Fiber Unidirectional Prepreg Tapes Market Size Comparison by Region (M USD)

Table 6. Global Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT) by Manufacturers (2020-2025)

Table 7. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Carbon Fiber Unidirectional Prepreg Tapes Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Carbon Fiber Unidirectional Prepreg Tapes Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Carbon Fiber Unidirectional Prepreg Tapes as of 2025)

Table 11. Global Market Carbon Fiber Unidirectional Prepreg Tapes Average Price (USD/KG) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Carbon Fiber Unidirectional Prepreg Tapes Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Carbon Fiber Unidirectional Prepreg Tapes Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Carbon Fiber Unidirectional Prepreg Tapes Sales by Type (K MT)

Table 27. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Type (M USD)

Table 28. Global Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT) by Type (2020-2025)

Table 29. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Type (2020-2025)

Table 30. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size (M USD) by Type (2020-2025)

Table 31. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share by Type (2020-2025)

Table 32. Global Carbon Fiber Unidirectional Prepreg Tapes Price (USD/KG) by Type (2020-2025)

Table 33. Global Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT) by Application

Table 34. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Application

Table 35. Global Carbon Fiber Unidirectional Prepreg Tapes Sales by Application (2020-2025) & (K MT)

Table 36. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Application (2020-2025)

Table 37. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Application (2020-2025) & (M USD)

Table 38. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share by Application (2020-2025)

Table 39. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Growth Rate by Application (2020-2025)

Table 40. Global Carbon Fiber Unidirectional Prepreg Tapes Sales by Region (2020-2025) & (K MT)

Table 41. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Region (2020-2025)

Table 42. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region (2020-2025) & (M USD)

Table 43. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region (2020-2025)

Table 44. North America Carbon Fiber Unidirectional Prepreg Tapes Sales by Country (2020-2025) & (K MT)

Table 45. North America Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Carbon Fiber Unidirectional Prepreg Tapes Sales by Country

(2020-2025) & (K MT)

Table 47. Europe Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Sales by Region (2020-2025) & (K MT)

Table 49. Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region (2020-2025) & (M USD)

Table 50. South America Carbon Fiber Unidirectional Prepreg Tapes Sales by Country (2020-2025) & (K MT)

Table 51. South America Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Sales by Region (2020-2025) & (K MT)

Table 53. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region (2020-2025) & (M USD)

Table 54. Global Carbon Fiber Unidirectional Prepreg Tapes Production (K MT) by Region(2020-2025)

Table 55. Global Carbon Fiber Unidirectional Prepreg Tapes Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Carbon Fiber Unidirectional Prepreg Tapes Revenue Market Share by Region (2020-2025)

Table 57. Global Carbon Fiber Unidirectional Prepreg Tapes Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 58. North America Carbon Fiber Unidirectional Prepreg Tapes Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Europe Carbon Fiber Unidirectional Prepreg Tapes Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. Japan Carbon Fiber Unidirectional Prepreg Tapes Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. China Carbon Fiber Unidirectional Prepreg Tapes Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 62. Toray Basic Information

Table 63. Toray Carbon Fiber Unidirectional Prepreg Tapes Product Overview

Table 64. Toray Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 65. Toray Business Overview

Table 66. Toray SWOT Analysis

Table 67. Toray Recent Developments

Table 68. Evonik Basic Information

Table 69. Evonik Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 70. Evonik Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 71. Evonik Business Overview
Table 72. Evonik SWOT Analysis
Table 73. Evonik Recent Developments
Table 74. Zoltek Basic Information
Table 75. Zoltek Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 76. Zoltek Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 77. Zoltek Business Overview
Table 78. Zoltek SWOT Analysis
Table 79. Zoltek Recent Developments
Table 80. Solvay Basic Information
Table 81. Solvay Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 82. Solvay Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 83. Solvay Business Overview
Table 84. Solvay Recent Developments
Table 85. Mitsubishi Rayon Basic Information
Table 86. Mitsubishi Rayon Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 87. Mitsubishi Rayon Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 88. Mitsubishi Rayon Business Overview
Table 89. Mitsubishi Rayon Recent Developments
Table 90. Hexcel Basic Information
Table 91. Hexcel Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 92. Hexcel Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 93. Hexcel Business Overview
Table 94. Hexcel Recent Developments
Table 95. Teijin Basic Information
Table 96. Teijin Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 97. Teijin Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 98. Teijin Business Overview
Table 99. Teijin Recent Developments
Table 100. SGL Basic Information

Table 101. SGL Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 102. SGL Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 103. SGL Business Overview
Table 104. SGL Recent Developments
Table 105. TCR Composites Basic Information
Table 106. TCR Composites Carbon Fiber Unidirectional Prepreg Tapes Product Overview
Table 107. TCR Composites Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
Table 108. TCR Composites Business Overview
Table 109. TCR Composites Recent Developments
Table 110. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by Region (2026-2035) & (K MT)
Table 111. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Region (2026-2035) & (M USD)
Table 112. North America Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by Country (2026-2035) & (K MT)
Table 113. North America Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Country (2026-2035) & (M USD)
Table 114. Europe Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by Country (2026-2035) & (K MT)
Table 115. Europe Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Country (2026-2035) & (M USD)
Table 116. Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by Region (2026-2035) & (K MT)
Table 117. Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Region (2026-2035) & (M USD)
Table 118. South America Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by Country (2026-2035) & (K MT)
Table 119. South America Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Country (2026-2035) & (M USD)
Table 120. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by Country (2026-2035) & (Units)
Table 121. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Country (2026-2035) & (M USD)
Table 122. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by Type (2026-2035) & (K MT)
Table 123. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by

Type (2026-2035) & (M USD)

Table 124. Global Carbon Fiber Unidirectional Prepreg Tapes Price Forecast by Type (2026-2035) & (USD/KG)

Table 125. Global Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT) Forecast by Application (2026-2035)

Table 126. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Carbon Fiber Unidirectional Prepreg Tapes
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size (M USD), 2025-2035
- Figure 5. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size (M USD) (2020-2035)
- Figure 6. Global Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT) & (2020-2035)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Carbon Fiber Unidirectional Prepreg Tapes Product Life Cycle
- Figure 13. Carbon Fiber Unidirectional Prepreg Tapes Sales Share by Manufacturers in 2025
- Figure 14. Global Carbon Fiber Unidirectional Prepreg Tapes Revenue Share by Manufacturers in 2025
- Figure 15. Carbon Fiber Unidirectional Prepreg Tapes Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Carbon Fiber Unidirectional Prepreg Tapes Average Price (USD/KG) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Carbon Fiber Unidirectional Prepreg Tapes Revenue in 2025
- Figure 18. Industry Chain Map of Carbon Fiber Unidirectional Prepreg Tapes
- Figure 19. Global Carbon Fiber Unidirectional Prepreg Tapes Market PEST Analysis
- Figure 20. Global Carbon Fiber Unidirectional Prepreg Tapes Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share by Type

Figure 27. Sales Market Share of Carbon Fiber Unidirectional Prepreg Tapes by Type (2020-2025)

Figure 28. Sales Market Share of Carbon Fiber Unidirectional Prepreg Tapes by Type in 2025

Figure 29. Market Share of Carbon Fiber Unidirectional Prepreg Tapes by Type (2020-2025)

Figure 30. Market Share of Carbon Fiber Unidirectional Prepreg Tapes by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share by Application

Figure 33. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Application (2020-2025)

Figure 34. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Application in 2025

Figure 35. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share by Application (2020-2025)

Figure 36. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share by Application in 2025

Figure 37. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Growth Rate by Application (2020-2025)

Figure 38. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Region (2020-2025)

Figure 39. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region (2020-2025)

Figure 40. North America Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Country in 2024

Figure 43. North America Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country in 2024

Figure 45. U.S. Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Carbon Fiber Unidirectional Prepreg Tapes Sales (K MT) and

Growth Rate (2020-2025)

Figure 48. Canada Carbon Fiber Unidirectional Prepreg Tapes Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Carbon Fiber Unidirectional Prepreg Tapes Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Carbon Fiber Unidirectional Prepreg Tapes Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Country in 2024

Figure 53. Europe Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country in 2024

Figure 55. Germany Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 60. U.K. Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 62. Italy Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 64. Spain Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (K MT)

Figure 66. Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Region in 2024

Figure 67. Asia Pacific Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region in 2024

Figure 68. China Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 69. China Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 71. Japan Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 73. South Korea Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 75. India Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 77. Southeast Asia Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (K MT)

Figure 79. South America Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Country in 2024

Figure 80. South America Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (M USD)

Figure 81. South America Carbon Fiber Unidirectional Prepreg Tapes Market Size by Country in 2024

Figure 82. Brazil Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 83. Brazil Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 85. Argentina Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate

(2020-2025) & (K MT)

Figure 87. Columbia Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Carbon Fiber Unidirectional Prepreg Tapes Market Size by Region in 2024

Figure 92. Saudi Arabia Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Carbon Fiber Unidirectional Prepreg Tapes Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Carbon Fiber Unidirectional Prepreg Tapes Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Carbon Fiber Unidirectional Prepreg Tapes Production Market Share by Region (2020-2025)

Figure 103. North America Carbon Fiber Unidirectional Prepreg Tapes Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Carbon Fiber Unidirectional Prepreg Tapes Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Carbon Fiber Unidirectional Prepreg Tapes Production (K MT) Growth Rate (2020-2025)

Figure 106. China Carbon Fiber Unidirectional Prepreg Tapes Production (K MT)
Growth Rate (2020-2025)

Figure 107. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by
Volume (2020-2035) & (K MT)

Figure 108. Global Carbon Fiber Unidirectional Prepreg Tapes Market Size Forecast by
Value (2020-2035) & (M USD)

Figure 109. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Market Share
Forecast by Type (2026-2035)

Figure 110. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share Forecast
by Type (2026-2035)

Figure 111. Global Carbon Fiber Unidirectional Prepreg Tapes Sales Forecast by
Application (2026-2035)

Figure 112. Global Carbon Fiber Unidirectional Prepreg Tapes Market Share Forecast
by Application (2026-2035)

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