

Global and United States Carbon Fiber Market Research by Company, Type & Application 2013-2025

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Abstracts

SUMMARY

Carbon fiber is a long, thin strand of material about 0.0002-0.0004 in (0.005-0.010 mm) in diameter and composed mostly of carbon atoms. The carbon atoms are bonded together in microscopic crystals that are more or less aligned parallel to the long axis of the fiber. The crystal alignment makes the fiber incredibly strong for its size. Several thousand carbon fibers are twisted together to form a yarn, which may be used by itself or woven into a fabric. The yarn or fabric is combined with epoxy and wound or molded into shape to form various composite materials. Carbon fiber-reinforced composite materials are used to make aircraft carbon fiber compared to human hair and spacecraft parts, racing car bodies, golf club shafts, bicycle frames, fishing rods, automobile springs, sailboat masts, and many other components where light weight and high strength are needed.

Market Segment as follows:

By Type

Polyacrylonitrile based carbon fiber

Pitch based carbon fiber

Vscose rayon based carbon fiber

Phenolic based carbon fiber

Gas phase growth carbon fiber

By Application

Aircraft

Rockets

Satellites

By Company

Toray

ZOLTEK(Toray)

Mitsubishi Rayon

Toho Tenax

Hexcel

Formosa Plastics Corp

SGL

Cytec Solvay

DowAksa

Hyosung

Taekwang Industrial

Zhongfu Shenying

Jiangsu Hengshen

Weihai TuoZhan Fiber

Bluestar Fibres

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

Section 8:

SWOT and Porter's Five Forces;

Section 9:

Conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Market Segment Overview
 - 1.1.1 Product Definition
 - 1.1.2 Market by Type
 - 1.1.2.1 Polyacrylonitrile based carbon fiber
 - 1.1.2.2 Pitch based carbon fiber
 - 1.1.2.3 Vscose rayon based carbon fiber
 - 1.1.2.4 Phenolic based carbon fiber
 - 1.1.2.5 Gas phase growth carbon fiber
 - 1.1.3 Market by Application
 - 1.1.3.1 Aircraft
 - 1.1.3.2 Rockets
 - 1.1.3.3 Satellites
- 1.2 Global and Regional Market Size
 - 1.2.1 Global Overview
 - 1.2.2 United States Overview

2 GLOBAL AND REGIONAL MARKET BY COMPANY

- 2.1 Global
 - 2.1.1 Global Sales by Company
 - 2.1.2 Global Price by Company
- 2.2 United States
 - 2.2.1 United States Sales by Company
 - 2.2.2 United States Price by Company

3 GLOBAL AND REGIONAL MARKET BY TYPE

- 3.1 Global
 - 3.1.1 Global Sales by Type
 - 3.1.2 Global Price by Type
- 3.2 United States
 - 3.2.1 United States Sales by Type
 - 3.2.2 United States Price by Type

4 GLOBAL AND REGIONAL MARKET BY APPLICATION

4.1 Global

4.1.1 Global Sales by Application

4.1.2 Global Price by Application

4.2 United States

4.2.1 United States Sales by Application

4.2.2 United States Price by Application

5 REGIONAL TRADE

5.1 Export

5.2 Import

6 KEY MANUFACTURERS

6.1 Toray

6.1.2 Company Information

6.1.2 Product Specifications

6.1.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.2 ZOLTEK(Toray)

6.2.1 Company Information

6.2.2 Product Specifications

6.2.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.3 Mitsubishi Rayon

6.3.1 Company Information

6.3.2 Product Specifications

6.3.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.4 Toho Tenax

6.4.1 Company Information

6.4.2 Product Specifications

6.4.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.5 Hexcel

6.5.1 Company Information

6.5.2 Product Specifications

6.5.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.6 Formosa Plastics Corp

6.6.1 Company Information

6.6.2 Product Specifications

6.6.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.7 SGL

6.7.1 Company Information

6.7.2 Product Specifications

6.7.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.8 Cytec Solvay

6.8.1 Company Information

6.8.2 Product Specifications

6.8.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.9 DowAksa

6.9.1 Company Information

6.9.2 Product Specifications

6.9.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.10 Hyosung

6.10.1 Company Information

6.10.2 Product Specifications

6.10.3 Business Data (Capacity, Sales Revenue, Volume, Price, Cost and Margin)

6.11 Taekwang Industrial

6.12 Zhongfu Shenying

6.13 Jiangsu Hengshen

6.14 Weihai Tuo-zhan Fiber

6.15 Bluestar Fibres

7 INDUSTRY UPSTREAM

7.1 Industry Chain

7.2 Raw Materials

8 MARKET ENVIRONMENT

8.1 SWOT

8.2 Porter's Five Forces

9 CONCLUSION

List Of Tables

LIST OF TABLES

Table Global Market Sales Revenue by Company 2013-2017
Table Global Market Sales Revenue Share by Company 2013-2017
Table Global Market Sales Volume by Company 2013-2017
Table Global Market Sales Volume Share by Company 2013-2017
Table Global Price by Company 2013-2017
Table United States Market Sales Revenue by Company 2013-2017
Table United States Market Sales Revenue Share by Company 2013-2017
Table United States Market Sales Volume by Company 2013-2017
Table United States Market Sales Volume Share by Company 2013-2017
Table United States Price by Company 2013-2017
Table Global Market Sales Revenue by Type 2013-2017
Table Global Market Sales Revenue Share by Type 2013-2017
Table Global Market Sales Volume by Type 2013-2017
Table Global Market Sales Volume Share by Type 2013-2017
Table Global Price by Type 2013-2017
Table United States Market Sales Revenue by Type 2013-2017
Table United States Market Sales Revenue Share by Type 2013-2017
Table United States Market Sales Volume by Type 2013-2017
Table United States Market Sales Volume Share by Type 2013-2017
Table United States Price by Type 2013-2017
Table Global Market Sales Revenue by Application 2013-2017
Table Global Market Sales Revenue Share by Application 2013-2017
Table Global Market Sales Volume by Application 2013-2017
Table Global Market Sales Volume Share by Application 2013-2017
Table Global Price by Application 2013-2017
Table United States Market Sales Revenue by Application 2013-2017
Table United States Market Sales Revenue Share by Application 2013-2017
Table United States Market Sales Volume by Application 2013-2017
Table United States Market Sales Volume Share by Application 2013-2017
Table United States Price by Application 2013-2017
Table United States Export 2013-2017 (Million USD)
Table United States Export 2013-2017 (Volume)
Table United States Import 2013-2017 (Million USD)
Table United States Import 2013-2017 (Volume)
Table Sales Revenue, Volume, Price, Cost and Margin of Toray

Table Sales Revenue, Volume, Price, Cost and Margin of ZOLTEK(Toray)
Table Sales Revenue, Volume, Price, Cost and Margin of Mitsubishi Rayon
Table Sales Revenue, Volume, Price, Cost and Margin of Toho Tenax
Table Sales Revenue, Volume, Price, Cost and Margin of Hexcel
Table Sales Revenue, Volume, Price, Cost and Margin of Formosa Plastics Corp
Table Sales Revenue, Volume, Price, Cost and Margin of SGL
Table Sales Revenue, Volume, Price, Cost and Margin of Cytec Solvay
Table Sales Revenue, Volume, Price, Cost and Margin of DowAksa
Table Sales Revenue, Volume, Price, Cost and Margin of Hyosung
Table Sales Revenue, Volume, Price, Cost and Margin of Taekwang Industrial
Table Sales Revenue, Volume, Price, Cost and Margin of Zhongfu Shenying
Table Sales Revenue, Volume, Price, Cost and Margin of Jiangsu Hengshen
Table Sales Revenue, Volume, Price, Cost and Margin of Weihai TuoZhan Fiber
Table Sales Revenue, Volume, Price, Cost and Margin of Bluestar Fibres

List Of Figures

LIST OF FIGURES

Figure Polyacrylonitrile based carbon fiber Market Size and CAGR 2013-2017 (Million USD)

Figure Polyacrylonitrile based carbon fiber Market Size and CAGR 2013-2017 (Volume)

Figure Polyacrylonitrile based carbon fiber Market Forecast and CAGR 2018-2025 (Million USD)

Figure Polyacrylonitrile based carbon fiber Market Forecast and CAGR 2018-2025 (Volume)

Figure Pitch based carbon fiber Market Size and CAGR 2013-2017 (Million USD)

Figure Pitch based carbon fiber Market Size and CAGR 2013-2017 (Volume)

Figure Pitch based carbon fiber Market Forecast and CAGR 2018-2025 (Million USD)

Figure Pitch based carbon fiber Market Forecast and CAGR 2018-2025 (Volume)

Figure Vscose rayon based carbon fiber Market Size and CAGR 2013-2017 (Million USD)

Figure Vscose rayon based carbon fiber Market Size and CAGR 2013-2017 (Volume)

Figure Vscose rayon based carbon fiber Market Forecast and CAGR 2018-2025 (Million USD)

Figure Vscose rayon based carbon fiber Market Forecast and CAGR 2018-2025 (Volume)

Figure Phenolic based carbon fiber Market Size and CAGR 2013-2017 (Million USD)

Figure Phenolic based carbon fiber Market Size and CAGR 2013-2017 (Volume)

Figure Phenolic based carbon fiber Market Forecast and CAGR 2018-2025 (Million USD)

Figure Phenolic based carbon fiber Market Forecast and CAGR 2018-2025 (Volume)

Figure Gas phase growth carbon fiber Market Size and CAGR 2013-2017 (Million USD)

Figure Gas phase growth carbon fiber Market Size and CAGR 2013-2017 (Volume)

Figure Gas phase growth carbon fiber Market Forecast and CAGR 2018-2025 (Million USD)

Figure Gas phase growth carbon fiber Market Forecast and CAGR 2018-2025 (Volume)

Figure Aircraft Market Size and CAGR 2013-2017 (Million USD)

Figure Aircraft Market Size and CAGR 2013-2017 (Volume)

Figure Aircraft Market Forecast and CAGR 2018-2025 (Million USD)

Figure Aircraft Market Forecast and CAGR 2018-2025 (Volume)

Figure Rockets Market Size and CAGR 2013-2017 (Million USD)

Figure Rockets Market Size and CAGR 2013-2017 (Volume)

Figure Rockets Market Forecast and CAGR 2018-2025 (Million USD)

Figure Rockets Market Forecast and CAGR 2018-2025 (Volume)
Figure Satellites Market Size and CAGR 2013-2017 (Million USD)
Figure Satellites Market Size and CAGR 2013-2017 (Volume)
Figure Satellites Market Forecast and CAGR 2018-2025 (Million USD)
Figure Satellites Market Forecast and CAGR 2018-2025 (Volume)
Figure Global Carbon Fiber Market Size and CAGR 2013-2017 (Million USD)
Figure Global Carbon Fiber Market Size and CAGR 2013-2017 (Volume)
Figure Global Carbon Fiber Market Forecast and CAGR 2018-2025 (Million USD)
Figure Global Carbon Fiber Market Forecast and CAGR 2018-2025 (Volume)
Figure United States Carbon Fiber Market Size and CAGR 2013-2017 (Million USD)
Figure United States Carbon Fiber Market Size and CAGR 2013-2017 (Volume)
Figure United States Carbon Fiber Market Forecast and CAGR 2018-2025 (Million USD)
Figure United States Carbon Fiber Market Forecast and CAGR 2018-2025 (Volume)
Figure Global Market Sales Revenue Share by Company in 2017
Figure Global Market Sales Volume Share by Company in 2017
Figure United States Market Sales Revenue Share by Company in 2017
Figure United States Market Sales Volume Share by Company in 2017
Figure Global Market Sales Revenue Share by Type in 2017
Figure Global Market Sales Volume Share by Type in 2017
Figure United States Market Sales Revenue Share by Type in 2017
Figure United States Market Sales Volume Share by Type in 2017
Figure Global Market Sales Revenue Share by Application in 2017
Figure Global Market Sales Volume Share by Application in 2017
Figure United States Market Sales Revenue Share by Application in 2017
Figure United States Market Sales Volume Share by Application in 2017
Figure Industry Chain Overview
Figure Carbon Fiber SWOT List
Figure Chemicals & Materials Porter's Five Forces

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