

Global Thermo-plastic Carbon Fiber Prepreg Market Research Report 2023

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Abstracts

Thermoplastic prepreg fiber or its fabric used in the manufacture of composite materials coated with thermoplastic resin matrix, belonging to intermediate materials. Its form is mainly divided into one-way prepreg, fabric prepreg and fiber prepreg. Although thermoplastic resin prepreg can also be prepared by wet and dry methods, but the process is more complex than the general thermosetting resin prepreg. Because the thermoplastic resin (especially the crystalline thermoplastic resin) good solvent resistance and heat melting temperature is high, therefore, thermoplastic resin in material, usually using the melt method, suspension method and powder prepared by static adsorption. Its characteristics, the major technical indicators are: presoak resin content, its distribution and volatile matter content and fiber quality of per unit area.

According to QYResearch's new survey, global Thermo-plastic Carbon Fiber Prepreg market is projected to reach US\$ 7125.2 million in 2029, increasing from US\$ 4869 million in 2022, with the CAGR of 5.5% during the period of 2023 to 2029. Influencing issues, such as economy environments, COVID-19 and Russia-Ukraine War, have led to great market fluctuations in the past few years and are considered comprehensively in the whole Thermo-plastic Carbon Fiber Prepreg market research.

The future of the high-performance material market looks promising with opportunities in the construction, automotive, electrical, and food & beverages applications. The global high-performance material market is expected to grow with a CAGR of 9% to 11% from 2023 to 2029. The major drivers for this market are high-quality components demand from designers are increasing, rising demand in end-use sectors, and increasing number of manufacturers and suppliers in the fluid handling industry.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Thermo-plastic Carbon Fiber Prepreg market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

SGL Group

Porcher Industries

Ensinger

Hexcel Corporation

Solvay

Toray

Teijin

Tencate

Heng Shen

Avicht

Lanxess

Segment by Type

Epoxy Resin

Phenolic Resin

Cyanate Ester Resin

Others

Segment by Application

Aerospace

Automotive

Sports Gooding

Energy

Others

Production by Region

North America

Europe

China

Japan

Consumption by Region

North America

United States

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

China Taiwan

Southeast Asia

India

Latin America, Middle East & Africa

Mexico

Brazil

Turkey

GCC Countries

The Thermo-plastic Carbon Fiber Prepreg report covers below items:

Chapter 1: Product Basic Information (Definition, type and application)

Chapter 2: Manufacturers' Competition Patterns

Chapter 3: Production Region Distribution and Analysis

Chapter 4: Country Level Sales Analysis

Chapter 5: Product Type Analysis

Chapter 6: Product Application Analysis

Chapter 7: Manufacturers' Outline

Chapter 8: Industry Chain, Market Channel and Customer Analysis

Chapter 9: Market Opportunities and Challenges

Chapter 10: Market Conclusions

Chapter 11: Research Methodology and Data Source

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