

Global Composite Film Carbon Plate Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Composite Film Carbon Plate market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Composite membrane pressed carbon plate is a composite material plate made of carbon fiber cloth, epoxy resin, and membrane pressing technology. It has the characteristics of lightweight, high strength, and corrosion resistance, and is widely used in fields such as aerospace, automotive manufacturing, sports equipment, and so on. The preparation process of composite membrane carbon plate mainly includes the following steps: 1 Carbon fiber cloth pretreatment: Clean, dry, and surface treat the carbon fiber cloth to improve its adhesion and surface quality. 2. Epoxy resin coating: Apply epoxy resin to the surface of carbon fiber cloth to fully penetrate and soak it. 3. Membrane pressure: Place carbon fiber cloth coated with epoxy resin in the mold, and then cover it with a special layer of membrane material. Next, by heating and pressing, the epoxy resin is cured at high temperatures, while compacting the carbon fiber cloth and membrane material to form a composite membrane carbon plate. 4. Post treatment: After membrane pressing, the composite membrane pressed carbon plate needs to undergo post treatment, including edge trimming, polishing, cleaning, and other processes to obtain the final product. Composite film compressed carbon plates have excellent mechanical properties and appearance quality, and are widely used in aircraft structures in the aerospace field, body components in automotive manufacturing, high-performance sports equipment in the sports equipment field, and so on. Its lightweight and high strength characteristics make it have important application value in reducing weight, improving material performance, and reducing energy consumption.

This report studies the global Composite Film Carbon Plate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Composite Film Carbon Plate, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Composite Film Carbon Plate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Composite Film Carbon Plate total production and demand, 2018-2029, (K Sqm)

Global Composite Film Carbon Plate total production value, 2018-2029, (USD Million)

Global Composite Film Carbon Plate production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Sqm)

Global Composite Film Carbon Plate consumption by region & country, CAGR, 2018-2029 & (K Sqm)

U.S. VS China: Composite Film Carbon Plate domestic production, consumption, key domestic manufacturers and share

Global Composite Film Carbon Plate production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Sqm)

Global Composite Film Carbon Plate production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Sqm)

Global Composite Film Carbon Plate production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Sqm).

This reports profiles key players in the global Composite Film Carbon Plate market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toray Industries, Hexcel Corporation, Mitsubishi Chemical Corporation, SGL Carbon SE, Teijin Limited, Gurit Holding AG, Axiom Materials, Inc., Park Electrochemical Corp. and Solvay S.A., etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Composite Film Carbon Plate market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Sqm) and average price (US\$/Sqm) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Composite Film Carbon Plate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Composite Film Carbon Plate Market, Segmentation by Type

Flat Composite Membrane Carbon Plate

Curved Composite Membrane Carbon Plate

Global Composite Film Carbon Plate Market, Segmentation by Application

Automobile Industry

Medical Industry

Aerospace Industry

Others

Companies Profiled:

Toray Industries

Hexcel Corporation

Mitsubishi Chemical Corporation

SGL Carbon SE

Teijin Limited

Gurit Holding AG

Axiom Materials, Inc.

Park Electrochemical Corp.

Solvay S.A.

Royal TenCate N.V.

Zoltek Companies, Inc.

Gurit AG

Barrday Corporation

Toho Tenax Co., Ltd.

Key Questions Answered

1. How big is the global Composite Film Carbon Plate market?
2. What is the demand of the global Composite Film Carbon Plate market?
3. What is the year over year growth of the global Composite Film Carbon Plate market?
4. What is the production and production value of the global Composite Film Carbon Plate market?
5. Who are the key producers in the global Composite Film Carbon Plate market?
6. What are the growth factors driving the market demand?

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