

Global Carbon Fiber for Hydrogen Storage Cylinders Supply, Demand and Key Producers, 2024-2030

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Abstracts

The global Carbon Fiber for Hydrogen Storage Cylinders market size is expected to reach \$ million by 2030, rising at a market growth of % CAGR during the forecast period (2024-2030).

Carbon fiber is a key raw material for high-pressure hydrogen storage cylinders. According to the type of precursor, carbon fiber can generally be divided into three categories: polyacrylonitrile (PAN) based carbon fiber, pitch based carbon fiber, and rayon based carbon fiber. Among them, PAN based carbon fiber has become the world's highest production and most widely used carbon fiber due to its simple production process, low cost, and excellent mechanical properties, with a market share of over 90%; The market share of asphalt based carbon fiber is around 7%. High strength PAN based carbon fiber is the main raw material used in Type IV high-pressure hydrogen storage cylinders.

This report studies the global Carbon Fiber for Hydrogen Storage Cylinders production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Carbon Fiber for Hydrogen Storage Cylinders, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2023 as the base year. This report explores demand trends and competition, as well as details the characteristics of Carbon Fiber for Hydrogen Storage Cylinders that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Carbon Fiber for Hydrogen Storage Cylinders total production and demand, 2019-2030, (Tons)

Global Carbon Fiber for Hydrogen Storage Cylinders total production value, 2019-2030, (USD Million)

Global Carbon Fiber for Hydrogen Storage Cylinders production by region & country, production, value, CAGR, 2019-2030, (USD Million) & (Tons)

Global Carbon Fiber for Hydrogen Storage Cylinders consumption by region & country, CAGR, 2019-2030 & (Tons)

U.S. VS China: Carbon Fiber for Hydrogen Storage Cylinders domestic production, consumption, key domestic manufacturers and share

Global Carbon Fiber for Hydrogen Storage Cylinders production by manufacturer, production, price, value and market share 2019-2024, (USD Million) & (Tons)

Global Carbon Fiber for Hydrogen Storage Cylinders production by Type, production, value, CAGR, 2019-2030, (USD Million) & (Tons)

Global Carbon Fiber for Hydrogen Storage Cylinders production by Application production, value, CAGR, 2019-2030, (USD Million) & (Tons).

This reports profiles key players in the global Carbon Fiber for Hydrogen Storage Cylinders 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, SGL, Mitsubishi Rayon, TOHO, Formosa Plastics Corp, Hexcel, Cytec (Solvay), Hyosung and TKI, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Carbon Fiber for Hydrogen Storage Cylinders market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2019-2030 by year with 2023 as the base year, 2024 as the estimate year, and 2025-2030 as the forecast year.

Global Carbon Fiber for Hydrogen Storage Cylinders Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Carbon Fiber for Hydrogen Storage Cylinders Market, Segmentation by Type

Polyacrylonitrile Based Carbon Fiber

Asphalt Based Carbon Fiber

Adhesive Based Carbon Fiber

Global Carbon Fiber for Hydrogen Storage Cylinders Market, Segmentation by Application

35MPa Hydrogen Storage Cylinders

70MPa Hydrogen Storage Cylinders

Others

Companies Profiled:

Toray

SGL

Mitsubishi Rayon

TOHO

Formosa Plastics Corp

Hexcel

Cytec (Solvay)

Hyosung

TKI

DowAksa

UMATex

Zhongfu Shenying

Jiangsu Hengshen

Key Questions Answered

1. How big is the global Carbon Fiber for Hydrogen Storage Cylinders market?
2. What is the demand of the global Carbon Fiber for Hydrogen Storage Cylinders

market?

3. What is the year over year growth of the global Carbon Fiber for Hydrogen Storage Cylinders market?

4. What is the production and production value of the global Carbon Fiber for Hydrogen Storage Cylinders market?

5. Who are the key producers in the global Carbon Fiber for Hydrogen Storage Cylinders market?

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