

Global Carbon Fiber Market 2021

<https://marketpublishers.com/r/GA85C70D25E3EN.html>

Date: January 2022

Pages: 15

Price: US\$ 2,750.00 (Single User License)

ID: GA85C70D25E3EN

Abstracts

Carbon fiber is defined as a long thin strand of material which is made up of carbon atoms and has a diameter of about 0.005mm to 0.010mm. Carbon fiber materials are characterized by superior properties such as high stiffness and tensile strength coupled with light weight. The strength profile of carbon fiber is much like that of steel and its weight is close to that of plastic. The strength-to-weight ratio and stiffness-to-weight ratio of carbon fiber is much higher as compared to steel and plastic. According to a report by StrategyHelix, the global carbon fiber market is set to increase by US\$ 2,556 million during 2021-2027, growing at a CAGR of 7.8% during the forecast period. Escalating demands for high-performance carbon fiber in aerospace & defense, increase in penetration of carbon fiber components in automotive industry, growing usage of carbon fiber in wind energy industry are expected to boost the market growth in the coming years.

The report provides up-to-date market size data for period 2017-2020 and forecast to 2027 covering key market aspects like sales value for carbon fiber. The global carbon fiber market is segmented on the basis of product, raw material, fiber type, end use, and region. On the basis of product, the global carbon fiber market has been segmented into small tow carbon fiber, large tow carbon fiber. Small tow carbon fiber was the highest contributor to the global carbon fiber market. Going forward, the large tow carbon fiber segment is projected to witness the highest CAGR during the forecast period. By raw material, the global carbon fiber market has been segmented into PAN, pitch, others. The PAN segment held the largest revenue share in 2020. Based on fiber type, the global carbon fiber market is categorized into virgin carbon fiber, recycled carbon fiber. Globally, the virgin carbon fiber segment made up the largest share of the carbon fiber market. On the basis of end use, the global carbon fiber market has been segmented into industrial, aerospace & defense, wind energy, automotive, sports goods, others. Geographically, the global carbon fiber market is segmented into North America, Asia Pacific, Europe, Rest of the World (ROW).

The global carbon fiber market is highly competitive. The prominent players operating in the global carbon fiber market include DowAksa Advanced Composites Holdings BV, Formosa Plastics Corporation, Hexcel Corporation, Hyosung Advanced Materials Corporation, Kureha Corporation, Mitsubishi Chemical Corporation, SGL Carbon SE, Solvay S.A., Teijin Limited, Toray Industries Inc.

Report Scope

Product: small tow carbon fiber, large tow carbon fiber

Raw material: PAN, pitch, others

Fiber type: virgin carbon fiber, recycled carbon fiber

End use: industrial, aerospace & defense, wind energy, automotive, sports goods, others

Region: North America, Asia Pacific, Europe, Rest of the World (ROW)

Years considered: this report covers the period 2017 to 2027

Key Benefits for Stakeholders

Get a comprehensive picture of the global carbon fiber market

Pinpoint growth sectors and trends for investment

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Europe

Rest of the World (ROW)

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DowAksa Advanced Composites Holdings BV

Formosa Plastics Corporation

Hexcel Corporation

Hyosung Advanced Materials Corporation

Kureha Corporation

Mitsubishi Chemical Corporation

SGL Carbon SE

Solvay S.A.

Teijin Limited

Toray Industries, Inc.

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