

# The Global Market for Advanced Fibers 2022-2032

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## Abstracts

Advanced fiber materials are increasingly used in:

composites (including automobile, aerospace industry, and sporting goods)

environmental (pollution control and purification for water, air and earth)

energy storage and generation (solar cells, lithium batteries, supercapacitor, etc.)

biomedical applications (regenerative medicine, drug delivery, tumor therapy, etc)

Their use will increase greatly in these and other markets in the next 10-15 years.

Carbon fibers, polymer nanofibers, cellulose nanofibers and carbon fibers will play a significant role in technology advancement across these markers. The use of natural fibers for advanced technology applications will also play a major role in the development of renewable solutions in polymer composites, construction and building materials, packaging, and replacement for plastics in consumer products. Natural fibers possess advantages over synthetic fibres including widespread availability, low cost, low density, acceptable modulus-weight ratio, high acoustic damping, low manufacturing energy consumption, low carbon footprint and biodegradability.

The Global Market for Advanced Fibers 2022-2032 includes:

Global production capacities, by producers, current and planned.

Production volumes by region.

Commercialized products.

Market and technical developments in advanced fibers 2020-2022.

Advanced Fiber applications by industry.

Figures for current carbon fiber and CFRP demand, production capacities and projected future demand to 2031, by metric tonnes, end user markets and regions.

Assessment of developments in plant-based carbon fibers, low cost production, alternative precursors and processes, and 3D printing.

Demand in tons per market, current and forecast to 2032.

Market drivers, trends and challenges, by end user markets.

Competitive landscape of advanced fibers by market, volumes, key trends and growth. Potential for advanced fibers to gain market share by market volume across all end user markets. Markets covered include Polymer composites, Automotive, Building & Construction, Packaging, Textiles, Biomedicine, Pharma, Healthcare, Sanitary and Hygiene Products, Paints & Coatings, Aerogels, Oil & Gas, Filtration, Cosmetics, Food Additives, Electronics, Batteries, Aerospace and 3D printing etc.

In-depth profiles of 95 carbon fiber companies including CF manufacturers, CFRP manufacturers and CF recyclers. Companies profiled include DowAksa, Formosa Plastics Corporation, Hexcel Corporation, Hyosung Advanced Materials, Jiangsu Hengshen Co., Ltd., Kureha Corporation, Mitsubishi Chemical Corporation, SGL Carbon SE, Solvay SA, Teijin Limited, Toray Industries, Inc., UMATEX, bCircular, Carbon Conversions, Gen 2 Carbon, Mallinda, Carbitex, LeMond Carbon, Continuous Composites, Boston Materials and 9T Labs.

In-depth profiles of 65 polymer nanofiber companies, include products commercial activities. Nanofiber companies profiled include Bioincia SL, Donaldson, 4C Air Inc, Gelatex Technologies, Lime Co., Ltd., Matregenix, M-TEchX, Vivolta and many more.

In-depth profiles of 10 carbon nanofiber companies, include products commercial activities. Nanofiber companies profiled include Bergen Carbon Solutions, Carbonova, Grupo Antolin etc.

In-depth profiles of 93 cellulose nanofiber companies, including products, current capacities and plans for new capacities, production processes, prices per kg and commercial activities. Companies profiled in the report include Asahi Kasei, Chuetsu Pulp & Paper Daicel, Daiichi Kogyo, Daio Paper, GranBio Technologies, Nippon Paper, Oji Holdings, Sugino Machine, Seiko PMC and more.

In-depth profiles of 143 natural fiber companies. Companies profiled include Ananas Anam, BASF, Bast Fiber Technologies Inc., Kelheim Fibres GmbH, BComp, Circular Systems, Evrnu, Natural Fiber Welding, Icytos and many more.

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