

SiC Fiber Market Projected To Hit \$1.47 Billion by 2028 | Analysis, Sales Revenue, Key players | Future Investment

The global SiC fiber market. North America held the largest market share in 2020, and is expected to maintain its dominant share in terms of revenue by 2028

PORTLAND , OREGON, UNITED STATES, August 9, 2021 /EINPresswire.com/ -- The global SiC fiber market generated \$0.38 billion in 2020, and is estimated to witness \$1.47 billion by 2028, manifesting a CAGR of 18.6% from 2021 to 2028. The report provides a detailed analysis of changing market dynamics, key segments, value chain, top investment pockets, regional scenario, and competitive landscape.



SiC Fiber Market

Download Sample PDF (225 Pages PDF with Insights): <https://www.alliedmarketresearch.com/request-sample/11840>

Silicon Carbide (SiC), also referred as carborundum, are highly stiffen fibers that are primarily composed of silicon and carbide molecules. In 1800s, the powder form of SiC was commercially used as an abrasive for grinding, cutting and polishing a workpiece. But in the recent few years, this fiber is majorly being used in composites with different metals, plastics, and ceramics. This fiber is generally as hard as a diamond and it can relatively be as small as 20 microns and as large as 140 microns in diameter.

Silicon carbide fiber is considered as a semiconductor and is therefore, the mainstream fiber with the wide application in solar, automotive, electrical & electronic devices. SiC is used as a wide bandgap semiconductor in electric vehicles and 5G base stations. It is also used as reinforcements in PMCs, CMCs, and MMCs.

For Purchase Enquiry at: <https://www.alliedmarketresearch.com/purchase-enquiry/11840>

The crystalline SiC fiber tows can be manufactured either by yajima process or microwave sintering furnace.

The yajima process is the authentic technique of producing SiC fibers. In this method, a pre-

ceramic liquid polymer is mixed with a spinneret to form silicon carbide.

The microwave sintering furnace is the modern technique which uses chemical vapor deposition to form SiC fibers.

This special kind of fiber possesses certain properties like high strength, high chemical resistance, high temperature tolerance, high oxidation resistance, low thermal expansion and low weight etc., which make it perfect for usage in nuclear power plants and other stubborn materials such as refractories.

Similarly, the amorphous based SiC fibers are widely used in aerospace & aviation industries, and power & mineral industries. Aircrafts that opt for SiC fibers are comparatively light weight and also have better fuel efficiency or fuel economy.

Request the Covid19 Impact Analysis @ <https://www.alliedmarketresearch.com/request-for-customization/11840?reqfor=covid>

Tragically, the wake of COVID-19 pandemic led to the implementation of global lockdown, which in turn, disrupted the entire supply chain management of almost all industries across the world. In the SiC fibers industry, this pandemic resulted to less productivity, which further impacted on the consumption of SiC fibers in the aerospace, automotive, electrical & electronic industry, especially during the initial phase of the lockdown. While undergoing the losses and many other issues, the industry is trying to overcome the challenges by resuming its production at its actual capacity and by ensuring the smooth flow of the global supply chain management.

Nevertheless, the demand for commercial and military aircraft engines are gradually increasing, which sequentially, is boosting the market of SiC fibers across the globe. Also, the rise in industrial applications of composites and super alloys is creating fruitful opportunities for the growth of the silicon carbide fibers market. According to a report published by Allied Market Research, the global SiC fiber market size is anticipated to register a significant CAGR from 2021-2028.

Access Full Summary @ <https://www.alliedmarketresearch.com/sic-fiber-market-A11475>

Furthermore, the United States is having a huge presence of major SiC fiber makers, through which the country is contributing to the growth of the SiC fibers market to a great extent. In a nutshell, with an array of industrial, environmental and economic benefits, the SiC fibers market is expected to acquire exponential growth in the near future.

Leading players of the global SiC fiber market analyzed in the research include American Elements, Free Form Fibers LLC, BJS Ceramics GmbH, Haydale Technologies Inc., GE Aviation, Nippon Carbon Co., Ltd., NGS Advanced Fibers Co., Ltd., SGL Carbon SE, Saint Gobain, and UBE Industries Ltd.

Similar Reports

[Quartz Market](#)

[Water Treatment Chemicals Market](#)

[Specialty Chemicals Market](#)

David Correa

Allied Analytics LLP

+1 800-792-5285

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/548432032>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2021 IPD Group, Inc. All Right Reserved.