

Carbon Graphite Market Show Incredible Growth at a CAGR of 5.7% by 2032

The global carbon graphite market is projected to reach \$4.5 billion by 2032, growing at a CAGR of 5.7% from 2023 to 2032

WILMINGTON, DELAWARE , UNITED STATES, April 19, 2024

/EINPresswire.com/ -- According to the report, the [carbon graphite market](#) was valued at \$2.6 billion in 2022 and is estimated to reach \$4.5 billion by 2032, exhibiting a CAGR of 5.7% from 2023 to 2032. The global carbon graphite market is driven by robust demand from the aerospace & defense sectors. Carbon graphite composites are used in aerospace and defense for their lightweight and high-strength properties. The increasing need for fuel-efficient and advanced aircraft and defense systems drives the demand for carbon graphite materials. However, high costs of carbon graphite-based materials are expected to restrain the growth of the carbon graphite market.



Download Sample Pages of Research Overview: <https://www.alliedmarketresearch.com/request-sample/3199>

Allied Market Research published a report, titled, "Carbon Graphite Market by Product (Carbon and Graphite Electrodes, Carbon and Graphite Fibers, Carbon and Graphite Powder, and Others), and End-User Industry (Industrial, Aerospace, and Others): Global Opportunity Analysis and Industry Forecast, 2023-2032".

The carbon and graphite electrodes segment to maintain its lead position during the forecast period:

Based on product, the carbon and graphite electrodes segment accounted for the largest share in 2022, contributing to two-fifths of the global carbon graphite market revenue. Carbon electrodes are a critical component in electric arc furnaces (EAFs) used in steel production. The global demand for steel continues to rise, driven by infrastructure development, construction,

and industrial growth in emerging economies. As a result, the demand for carbon electrodes used in EAFs has been increasing.

Moreover, carbon electrodes are essential for aluminum smelting in the Hall-Héroult process, where alumina is electrolyzed to produce aluminum. The aluminum industry's growth, particularly in emerging markets, has driven the demand for carbon electrodes. Additionally, graphite electrodes play a crucial role in electric arc furnaces (EAFs) used for steel production. The global demand for steel continues to rise, primarily due to infrastructure development, construction, and industrial growth in emerging economies. As a result, the demand for graphite electrodes used in EAFs has been increasing. These factors are expected to lead the carbon graphite market for carbon and graphite electrodes to witness significant growth.

Have Any Query? Ask Our Expert : <https://www.alliedmarketresearch.com/purchase-enquiry/3199>

The industrial segment to maintain its lead position during the forecast period: Based on the end-user industry, the industrial segment accounted for the largest share in 2022, contributing to more than two-fifths of the global carbon graphite market revenue. Carbon graphite offers a high strength-to-weight ratio, making it ideal for applications where reducing weight while maintaining structural integrity is essential, such as in the aerospace and automotive industries. Furthermore, carbon graphite is an excellent conductor of electricity and heat, making it valuable in electrical and thermal management applications. In addition to this, carbon graphite is chemically inert and resistant to many chemicals, making it suitable for use in corrosive environments and chemical processing applications. These factors altogether have surged the demand for carbon graphite among several end-user industries; thus, fueling the market growth.

Access Full Summary Report: <https://www.alliedmarketresearch.com/carbon-graphite-market>

Asia-Pacific to maintain its dominance by 2032:

Based on region, Asia-Pacific held the highest market share in terms of revenue in 2022, accounting for more than two-fifths of the global carbon graphite market and is projected to register the highest CAGR of 6.1% during the forecast period. The Asia-Pacific region is a major hub for automotive manufacturing and consumption. Carbon graphite materials are used in the production of brake components, clutches, and other automotive parts. As the demand for lightweight and high-performance materials in the automotive sector continues to witness growth, the carbon graphite market is expected to benefit from it. Furthermore, the Asia-Pacific region has been rapidly expanding its renewable energy sector, with a strong focus on wind and solar power. Carbon graphite materials are utilized in wind turbine components and solar panels, contributing to the growth of the carbon graphite market.

Additionally, Asia-Pacific is a significant contributor to the global EV market. The demand for carbon graphite materials in lithium-ion batteries for EVs is substantial, and the region's

commitment to reducing emissions is driving the adoption of EVs. Moreover, Asia-Pacific is experiencing significant infrastructure development, including construction projects, transportation networks, and energy transmission. This creates opportunities for the use of carbon graphite materials.

Want to Access the Statistical Data and Graphs, Key Players' Strategies:

<https://www.alliedmarketresearch.com/carbon-graphite-market/purchase-options>

Leading Market Players: -

IBIDEN

Entegris

Nippon Carbon

SEC Carbon

GrafTech International Limited

Graphite India Ltd

Schuk

Fangda Carbon New Material Co., Ltd.

Datong XinCheng

Sinosteel Engineering and Technology Co., Ltd.

The report provides a detailed analysis of the key players in the global carbon graphite market. These players have adopted different strategies such as new product launches, collaborations, expansion, joint ventures, agreements, and others to increase their market share and maintain dominant shares in different regions. The report is valuable in highlighting business performance, operating segments, product portfolio, and strategic moves of market players to showcase the competitive scenario.

For More Details: <https://www.prnewswire.com/news-releases/carbon-graphite-market-to-reach-4-5-billion-globally-by-2032-at-5-7-cagr-allied-market-research-301996738.html>

More Related Reports:

Ethylene Carbonate Market : <https://www.alliedmarketresearch.com/ethylene-carbonate-market-A07307>

Carbon Black in Lead-Acid Battery Market : <https://www.alliedmarketresearch.com/carbon-black-in-lead-acid-battery-market-A11043>

Industrial Carbon Nanotubes Market : <https://www.alliedmarketresearch.com/industrial-carbon-nanotubes-market-A13107>

Carbon Molecular Sieves Market : <https://www.alliedmarketresearch.com/carbon-molecular-sieves-market-A53566>

Mexico Carbon Dioxide Market : <https://www.alliedmarketresearch.com/mexico-carbon-dioxide-market-A78714>

About Us

Allied Market Research (AMR) is a full-service market research and business-consulting wing of Allied Analytics LLP based in Portland, Oregon. Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Allied Market Research CEO Pawan Kumar is instrumental in inspiring and encouraging everyone associated with the company to maintain high quality of data and help clients in every way possible to achieve success. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

David Correa

Allied Market Research

+18007925285 ext.

[email us here](#)

Visit us on social media:

[Facebook](#)

[Twitter](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/704988322>

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.

© 1995-2024 Newsmatics Inc. All Right Reserved.