

Activated Carbon Fiber Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/AD202FDCEB34EN.html>

Date: March 2023

Pages: 142

Price: US\$ 2,499.00 (Single User License)

ID: AD202FDCEB34EN

Abstracts

Market Overview:

The global activated carbon fiber market size reached US\$ 409.7 Million in 2022. Looking forward, IMARC Group expects the market to reach US\$ 611.5 Million by 2028, exhibiting a growth rate (CAGR) of 6.8% during 2023-2028.

Activated carbon fiber (ACF) refers to a modified form of fibrous microporous absorbent material that is manufactured by pre-treating, stabilizing, carbonizing, and activating precursor structures. Some standard raw materials employed during the procedure include cellulose, polyacrylonitrile, phenolic resin, petroleum-based pitch fibers, and synthetic polymers. ACF has low microporosity during production, offers a large-specific surface area, allows an excessive amount of absorption, reduces pressure loss, and generates little carbon dust to clear toxic water. Along with this, it provides high stiffness, tensile strength, density packaging, and excellent volumetric capacity; therefore, it finds extensive applications in water filters, surface treatment liquid cleaning, and purification of polluted gaseous streams.

Activated Carbon Fiber Market Trends:

Rapid industrialization and the increasing need for purified water in various residential and commercial complexes are currently driving the market growth. ACF is used to treat and purify polluted water containing several solid, semisolid, liquid, and gaseous pollutants. This is further influenced by the rising consumer awareness regarding the availability and advantages of wastewater treatment. Furthermore, the implementation of several sustainable practices by regulatory bodies has supplemented the

employment of ACF to neutralize odor, prevent dust particles, and deal with ozone pollution caused by cooling systems, which is supporting the market growth. In line with this, ACF possesses excellent nitrogen oxide removal capacity, enabling the product to inherently oxidize (NOx) to convert nitrate ions, which is acting as another growth-inducing factor. In line with this, the escalating prevalence of chronic kidney diseases is promoting the uptake of ACF for patient dialysis with end-stage renal illness, which is also propelling the market growth. Apart from this, the extensive utilization of ACF in chemical separation and catalysis and supercapacitors and protective clothing and strategic collaborations amongst key players are positively augmenting the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global activated carbon fiber market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on raw material and application.

Breakup by Raw Material:

- Synthetic
- Pitch-Based
- PAN-Based
- Phenolic-Based
- Viscose-Based
- Others
- Natural

Breakup by Application:

- Water Treatment
- Food and Beverage Processing
- Pharmaceutical and Medical
- Automotive
- Air Purification
- Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Anshan Sinocarb Carbon Fibers Co. Ltd., Awa Paper & Technological Co. Inc., Evertech Envisafe Ecology Co. Ltd., Hangzhou Nature Technology Co. Ltd., HPMS Graphite Solutions, Jiangsu Tongkang Activated Carbon Fiber Co. Ltd., Kuraray Co. Ltd., Nantong Yongtong Environmental Technology Co. Ltd., Osaka Gas Chemicals Co. Ltd. (Osaka Gas Co. Ltd.), Toyobo Co. Ltd. and Unitika Ltd.

Key Questions Answered in This Report:

How has the global activated carbon fiber market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global activated carbon fiber market?

What are the key regional markets?

What is the breakup of the market based on the raw material?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global activated carbon fiber market and who are the key players?

What is the degree of competition in the industry?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ACTIVATED CARBON FIBER MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY RAW MATERIAL

- 6.1 Synthetic
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 Pitch-Based
 - 6.1.2.2 PAN-Based
 - 6.1.2.3 Phenolic-Based
 - 6.1.2.4 Viscose-Based

- 6.1.2.5 Others
- 6.1.3 Market Forecast
- 6.2 Natural
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast

7 MARKET BREAKUP BY APPLICATION

- 7.1 Water Treatment
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Food and Beverage Processing
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Pharmaceutical and Medical
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Automotive
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Air Purification
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast
- 7.6 Others
 - 7.6.1 Market Trends
 - 7.6.2 Market Forecast

8 MARKET BREAKUP BY REGION

- 8.1 North America
 - 8.1.1 United States
 - 8.1.1.1 Market Trends
 - 8.1.1.2 Market Forecast
 - 8.1.2 Canada
 - 8.1.2.1 Market Trends
 - 8.1.2.2 Market Forecast
- 8.2 Asia-Pacific
 - 8.2.1 China
 - 8.2.1.1 Market Trends

- 8.2.1.2 Market Forecast
- 8.2.2 Japan
 - 8.2.2.1 Market Trends
 - 8.2.2.2 Market Forecast
- 8.2.3 India
 - 8.2.3.1 Market Trends
 - 8.2.3.2 Market Forecast
- 8.2.4 South Korea
 - 8.2.4.1 Market Trends
 - 8.2.4.2 Market Forecast
- 8.2.5 Australia
 - 8.2.5.1 Market Trends
 - 8.2.5.2 Market Forecast
- 8.2.6 Indonesia
 - 8.2.6.1 Market Trends
 - 8.2.6.2 Market Forecast
- 8.2.7 Others
 - 8.2.7.1 Market Trends
 - 8.2.7.2 Market Forecast
- 8.3 Europe
 - 8.3.1 Germany
 - 8.3.1.1 Market Trends
 - 8.3.1.2 Market Forecast
 - 8.3.2 France
 - 8.3.2.1 Market Trends
 - 8.3.2.2 Market Forecast
 - 8.3.3 United Kingdom
 - 8.3.3.1 Market Trends
 - 8.3.3.2 Market Forecast
 - 8.3.4 Italy
 - 8.3.4.1 Market Trends
 - 8.3.4.2 Market Forecast
 - 8.3.5 Spain
 - 8.3.5.1 Market Trends
 - 8.3.5.2 Market Forecast
 - 8.3.6 Russia
 - 8.3.6.1 Market Trends
 - 8.3.6.2 Market Forecast
 - 8.3.7 Others

8.3.7.1 Market Trends

8.3.7.2 Market Forecast

8.4 Latin America

8.4.1 Brazil

8.4.1.1 Market Trends

8.4.1.2 Market Forecast

8.4.2 Mexico

8.4.2.1 Market Trends

8.4.2.2 Market Forecast

8.4.3 Others

8.4.3.1 Market Trends

8.4.3.2 Market Forecast

8.5 Middle East and Africa

8.5.1 Market Trends

8.5.2 Market Breakup by Country

8.5.3 Market Forecast

9 SWOT ANALYSIS

9.1 Overview

9.2 Strengths

9.3 Weaknesses

9.4 Opportunities

9.5 Threats

10 VALUE CHAIN ANALYSIS

11 PORTERS FIVE FORCES ANALYSIS

11.1 Overview

11.2 Bargaining Power of Buyers

11.3 Bargaining Power of Suppliers

11.4 Degree of Competition

11.5 Threat of New Entrants

11.6 Threat of Substitutes

12 PRICE ANALYSIS

13 COMPETITIVE LANDSCAPE

13.1 Market Structure

13.2 Key Players

13.3 Profiles of Key Players

13.3.1 Anshan Sinocarb Carbon Fibers Co. Ltd.

13.3.1.1 Company Overview

13.3.1.2 Product Portfolio

13.3.2 Awa Paper & Technological Co. Inc.

13.3.2.1 Company Overview

13.3.2.2 Product Portfolio

13.3.2.3 Financials

13.3.3 Evertech Envisafe Ecology Co. Ltd.

13.3.3.1 Company Overview

13.3.3.2 Product Portfolio

13.3.4 Hangzhou Nature Technology Co. Ltd.

13.3.4.1 Company Overview

13.3.4.2 Product Portfolio

13.3.5 HPMS Graphite Solutions

13.3.5.1 Company Overview

13.3.5.2 Product Portfolio

13.3.6 Jiangsu Tongkang Activated Carbon Fiber Co. Ltd.

13.3.6.1 Company Overview

13.3.6.2 Product Portfolio

13.3.7 Kuraray Co. Ltd.

13.3.7.1 Company Overview

13.3.7.2 Product Portfolio

13.3.7.3 Financials

13.3.7.4 SWOT Analysis

13.3.8 Nantong Yongtong Environmental Technology Co. Ltd.

13.3.8.1 Company Overview

13.3.8.2 Product Portfolio

13.3.9 Osaka Gas Chemicals Co. Ltd. (Osaka Gas Co. Ltd.)

13.3.9.1 Company Overview

13.3.9.2 Product Portfolio

13.3.10 Toyobo Co. Ltd.

13.3.10.1 Company Overview

13.3.10.2 Product Portfolio

13.3.10.3 Financials

13.3.10.4 SWOT Analysis

13.3.11 Unitika Ltd.

13.3.11.1 Company Overview

13.3.11.2 Product Portfolio

13.3.11.3 Financials

13.3.11.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Activated Carbon Fiber Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Activated Carbon Fiber Market Forecast: Breakup by Raw Material (in Million US\$), 2023-2028

Table 3: Global: Activated Carbon Fiber Market Forecast: Breakup by Application (in Million US\$), 2023-2028

Table 4: Global: Activated Carbon Fiber Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 5: Global: Activated Carbon Fiber Market: Competitive Structure

Table 6: Global: Activated Carbon Fiber Market: Key Player

List Of Figures

LIST OF FIGURES

Figure 1: Global: Activated Carbon Fiber Market: Major Drivers and Challenges

Figure 2: Global: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017-2022

Figure 3: Global: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 4: Global: Activated Carbon Fiber Market: Breakup by Raw Material (in %), 2022

Figure 5: Global: Activated Carbon Fiber Market: Breakup by Application (in %), 2022

Figure 6: Global: Activated Carbon Fiber Market: Breakup by Region (in %), 2022

Figure 7: Global: Activated Carbon Fiber (Synthetic) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 8: Global: Activated Carbon Fiber (Synthetic) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 9: Global: Activated Carbon Fiber (Natural) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 10: Global: Activated Carbon Fiber (Natural) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 11: Global: Activated Carbon Fiber (Water Treatment) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 12: Global: Activated Carbon Fiber (Water Treatment) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 13: Global: Activated Carbon Fiber (Food and Beverage Processing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 14: Global: Activated Carbon Fiber (Food and Beverage Processing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 15: Global: Activated Carbon Fiber (Pharmaceutical and Medical) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 16: Global: Activated Carbon Fiber (Pharmaceutical and Medical) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 17: Global: Activated Carbon Fiber (Automotive) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 18: Global: Activated Carbon Fiber (Automotive) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 19: Global: Activated Carbon Fiber (Air Purification) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 20: Global: Activated Carbon Fiber (Air Purification) Market Forecast: Sales

Value (in Million US\$), 2023-2028

Figure 21: Global: Activated Carbon Fiber (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 22: Global: Activated Carbon Fiber (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 23: North America: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 24: North America: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 25: United States: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 26: United States: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 27: Canada: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 28: Canada: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 29: Asia-Pacific: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 30: Asia-Pacific: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 31: China: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 32: China: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 33: Japan: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 34: Japan: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 35: India: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 36: India: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 37: South Korea: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 38: South Korea: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 39: Australia: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 40: Australia: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 41: Indonesia: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 42: Indonesia: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 43: Others: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 44: Others: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 45: Europe: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 46: Europe: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 47: Germany: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 48: Germany: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 49: France: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 50: France: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 51: United Kingdom: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 52: United Kingdom: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 53: Italy: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 54: Italy: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 55: Spain: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 56: Spain: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 57: Russia: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 58: Russia: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 59: Others: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 &

2022

Figure 60: Others: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 61: Latin America: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 62: Latin America: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 63: Brazil: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 64: Brazil: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 65: Mexico: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 66: Mexico: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 67: Others: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 68: Others: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 69: Middle East and Africa: Activated Carbon Fiber Market: Sales Value (in Million US\$), 2017 & 2022

Figure 70: Middle East and Africa: Activated Carbon Fiber Market: Breakup by Country (in %), 2022

Figure 71: Middle East and Africa: Activated Carbon Fiber Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Global: Activated Carbon Fiber Industry: SWOT Analysis

Figure 73: Global: Activated Carbon Fiber Industry: Value Chain Analysis

Figure 74: Global: Activated Carbon Fiber Industry: Porter's Five Forces Analysis

I would like to order

Product name: Activated Carbon Fiber Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Product link: <https://marketpublishers.com/r/AD202FDCEB34EN.html>

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/AD202FDCEB34EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

