

Global Polyacrylonitrile-based Carbon Fibers Laminates Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G8CEB06F6B53EN.html>

Date: March 2023

Pages: 101

Price: US\$ 4,480.00 (Single User License)

ID: G8CEB06F6B53EN

Abstracts

The global Polyacrylonitrile-based Carbon Fibers Laminates market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

This report studies the global Polyacrylonitrile-based Carbon Fibers Laminates production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Polyacrylonitrile-based Carbon Fibers Laminates, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Polyacrylonitrile-based Carbon Fibers Laminates that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Polyacrylonitrile-based Carbon Fibers Laminates total production and demand, 2018-2029, (Kiloton)

Global Polyacrylonitrile-based Carbon Fibers Laminates total production value, 2018-2029, (USD Million)

Global Polyacrylonitrile-based Carbon Fibers Laminates production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Kiloton)

Global Polyacrylonitrile-based Carbon Fibers Laminates consumption by region & country, CAGR, 2018-2029 & (Kiloton)

U.S. VS China: Polyacrylonitrile-based Carbon Fibers Laminates domestic production, consumption, key domestic manufacturers and share

Global Polyacrylonitrile-based Carbon Fibers Laminates production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Kiloton)

Global Polyacrylonitrile-based Carbon Fibers Laminates production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Kiloton)

Global Polyacrylonitrile-based Carbon Fibers Laminates production by Application production, value, CAGR, 2018-2029, (USD Million) & (Kiloton)

This reports profiles key players in the global Polyacrylonitrile-based Carbon Fibers Laminates market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Toray Industries, Teijin, Mitsubishi Chemical Corporation, SGL Carbon SE, Nippon Graphite Fiber Corporation, Cytec Solvay Group, Hyosung Corporation, DowAksa (Turkey) and Weihai Tuozhan Fiber, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Polyacrylonitrile-based Carbon Fibers Laminates market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kiloton) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Polyacrylonitrile-based Carbon Fibers Laminates Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Polyacrylonitrile-based Carbon Fibers Laminates Market, Segmentation by Type

Unidirectional Carbon Fiber Laminates

Bidirectional Carbon Fiber Laminates

Multidirectional Carbon Fiber Laminates

Global Polyacrylonitrile-based Carbon Fibers Laminates Market, Segmentation by Application

Aerospace

Automobile

Others

Companies Profiled:

Toray Industries

Teijin

Mitsubishi Chemical Corporation

SGL Carbon SE

Nippon Graphite Fiber Corporation

Cytec Solvay Group

Hyosung Corporation

DowAksa (Turkey)

Weihai TuoZhan Fiber

Key Questions Answered

1. How big is the global Polyacrylonitrile-based Carbon Fibers Laminates market?
2. What is the demand of the global Polyacrylonitrile-based Carbon Fibers Laminates market?
3. What is the year over year growth of the global Polyacrylonitrile-based Carbon Fibers Laminates market?
4. What is the production and production value of the global Polyacrylonitrile-based Carbon Fibers Laminates market?
5. Who are the key producers in the global Polyacrylonitrile-based Carbon Fibers Laminates market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Polyacrylonitrile-based Carbon Fibers Laminates Introduction
- 1.2 World Polyacrylonitrile-based Carbon Fibers Laminates Supply & Forecast
 - 1.2.1 World Polyacrylonitrile-based Carbon Fibers Laminates Production Value (2018 & 2022 & 2029)
 - 1.2.2 World Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029)
 - 1.2.3 World Polyacrylonitrile-based Carbon Fibers Laminates Pricing Trends (2018-2029)
- 1.3 World Polyacrylonitrile-based Carbon Fibers Laminates Production by Region (Based on Production Site)
 - 1.3.1 World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Region (2018-2029)
 - 1.3.2 World Polyacrylonitrile-based Carbon Fibers Laminates Production by Region (2018-2029)
 - 1.3.3 World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Region (2018-2029)
 - 1.3.4 North America Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029)
 - 1.3.5 Europe Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029)
 - 1.3.6 China Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029)
 - 1.3.7 Japan Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Polyacrylonitrile-based Carbon Fibers Laminates Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Polyacrylonitrile-based Carbon Fibers Laminates Major Market Trends
- 1.5 Influence of COVID-19 and Russia-Ukraine War
 - 1.5.1 Influence of COVID-19
 - 1.5.2 Influence of Russia-Ukraine War

2 DEMAND SUMMARY

- 2.1 World Polyacrylonitrile-based Carbon Fibers Laminates Demand (2018-2029)
- 2.2 World Polyacrylonitrile-based Carbon Fibers Laminates Consumption by Region
 - 2.2.1 World Polyacrylonitrile-based Carbon Fibers Laminates Consumption by Region (2018-2023)
 - 2.2.2 World Polyacrylonitrile-based Carbon Fibers Laminates Consumption Forecast

by Region (2024-2029)

2.3 United States Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029)

2.4 China Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029)

2.5 Europe Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029)

2.6 Japan Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029)

2.7 South Korea Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029)

2.8 ASEAN Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029)

2.9 India Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029)

3 WORLD POLYACRYLONITRILE-BASED CARBON FIBERS LAMINATES MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Manufacturer (2018-2023)

3.2 World Polyacrylonitrile-based Carbon Fibers Laminates Production by Manufacturer (2018-2023)

3.3 World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Manufacturer (2018-2023)

3.4 Polyacrylonitrile-based Carbon Fibers Laminates Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Polyacrylonitrile-based Carbon Fibers Laminates Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Polyacrylonitrile-based Carbon Fibers Laminates in 2022

3.5.3 Global Concentration Ratios (CR8) for Polyacrylonitrile-based Carbon Fibers Laminates in 2022

3.6 Polyacrylonitrile-based Carbon Fibers Laminates Market: Overall Company Footprint Analysis

3.6.1 Polyacrylonitrile-based Carbon Fibers Laminates Market: Region Footprint

3.6.2 Polyacrylonitrile-based Carbon Fibers Laminates Market: Company Product Type Footprint

3.6.3 Polyacrylonitrile-based Carbon Fibers Laminates Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Production Value Comparison

4.1.1 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Production Comparison

4.2.1 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Consumption Comparison

4.3.1 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates
Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Polyacrylonitrile-based Carbon Fibers Laminates
Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Polyacrylonitrile-based Carbon Fibers Laminates
Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Polyacrylonitrile-based Carbon Fibers
Laminates Production Value (2018-2023)

4.4.3 United States Based Manufacturers Polyacrylonitrile-based Carbon Fibers
Laminates Production (2018-2023)

4.5 China Based Polyacrylonitrile-based Carbon Fibers Laminates Manufacturers and
Market Share

4.5.1 China Based Polyacrylonitrile-based Carbon Fibers Laminates Manufacturers,
Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates
Production Value (2018-2023)

4.5.3 China Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates
Production (2018-2023)

4.6 Rest of World Based Polyacrylonitrile-based Carbon Fibers Laminates Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Polyacrylonitrile-based Carbon Fibers Laminates Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2023)

5 MARKET ANALYSIS BY TYPE

5.1 World Polyacrylonitrile-based Carbon Fibers Laminates Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type

5.2.1 Unidirectional Carbon Fiber Laminates

5.2.2 Bidirectional Carbon Fiber Laminates

5.2.3 Multidirectional Carbon Fiber Laminates

5.3 Market Segment by Type

5.3.1 World Polyacrylonitrile-based Carbon Fibers Laminates Production by Type (2018-2029)

5.3.2 World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Type (2018-2029)

5.3.3 World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Type (2018-2029)

6 MARKET ANALYSIS BY APPLICATION

6.1 World Polyacrylonitrile-based Carbon Fibers Laminates Market Size Overview by Application: 2018 VS 2022 VS 2029

6.2 Segment Introduction by Application

6.2.1 Aerospace

6.2.2 Automobile

6.2.3 Others

6.3 Market Segment by Application

6.3.1 World Polyacrylonitrile-based Carbon Fibers Laminates Production by Application (2018-2029)

6.3.2 World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Application (2018-2029)

6.3.3 World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by

Application (2018-2029)

7 COMPANY PROFILES

7.1 Toray Industries

7.1.1 Toray Industries Details

7.1.2 Toray Industries Major Business

7.1.3 Toray Industries Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.1.4 Toray Industries Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.1.5 Toray Industries Recent Developments/Updates

7.1.6 Toray Industries Competitive Strengths & Weaknesses

7.2 Teijin

7.2.1 Teijin Details

7.2.2 Teijin Major Business

7.2.3 Teijin Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.2.4 Teijin Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.2.5 Teijin Recent Developments/Updates

7.2.6 Teijin Competitive Strengths & Weaknesses

7.3 Mitsubishi Chemical Corporation

7.3.1 Mitsubishi Chemical Corporation Details

7.3.2 Mitsubishi Chemical Corporation Major Business

7.3.3 Mitsubishi Chemical Corporation Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.3.4 Mitsubishi Chemical Corporation Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.3.5 Mitsubishi Chemical Corporation Recent Developments/Updates

7.3.6 Mitsubishi Chemical Corporation Competitive Strengths & Weaknesses

7.4 SGL Carbon SE

7.4.1 SGL Carbon SE Details

7.4.2 SGL Carbon SE Major Business

7.4.3 SGL Carbon SE Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.4.4 SGL Carbon SE Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.4.5 SGL Carbon SE Recent Developments/Updates

7.4.6 SGL Carbon SE Competitive Strengths & Weaknesses

7.5 Nippon Graphite Fiber Corporation

7.5.1 Nippon Graphite Fiber Corporation Details

7.5.2 Nippon Graphite Fiber Corporation Major Business

7.5.3 Nippon Graphite Fiber Corporation Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.5.4 Nippon Graphite Fiber Corporation Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.5.5 Nippon Graphite Fiber Corporation Recent Developments/Updates

7.5.6 Nippon Graphite Fiber Corporation Competitive Strengths & Weaknesses

7.6 Cytec Solvay Group

7.6.1 Cytec Solvay Group Details

7.6.2 Cytec Solvay Group Major Business

7.6.3 Cytec Solvay Group Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.6.4 Cytec Solvay Group Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.6.5 Cytec Solvay Group Recent Developments/Updates

7.6.6 Cytec Solvay Group Competitive Strengths & Weaknesses

7.7 Hyosung Corporation

7.7.1 Hyosung Corporation Details

7.7.2 Hyosung Corporation Major Business

7.7.3 Hyosung Corporation Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.7.4 Hyosung Corporation Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.7.5 Hyosung Corporation Recent Developments/Updates

7.7.6 Hyosung Corporation Competitive Strengths & Weaknesses

7.8 DowAksa (Turkey)

7.8.1 DowAksa (Turkey) Details

7.8.2 DowAksa (Turkey) Major Business

7.8.3 DowAksa (Turkey) Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.8.4 DowAksa (Turkey) Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.8.5 DowAksa (Turkey) Recent Developments/Updates

7.8.6 DowAksa (Turkey) Competitive Strengths & Weaknesses

7.9 Weihai Tuozhan Fiber

7.9.1 Weihai Tuozhan Fiber Details

7.9.2 Weihai Tuozhan Fiber Major Business

7.9.3 Weihai Tuozhan Fiber Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

7.9.4 Weihai Tuozhan Fiber Polyacrylonitrile-based Carbon Fibers Laminates Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.9.5 Weihai Tuozhan Fiber Recent Developments/Updates

7.9.6 Weihai Tuozhan Fiber Competitive Strengths & Weaknesses

8 INDUSTRY CHAIN ANALYSIS

8.1 Polyacrylonitrile-based Carbon Fibers Laminates Industry Chain

8.2 Polyacrylonitrile-based Carbon Fibers Laminates Upstream Analysis

8.2.1 Polyacrylonitrile-based Carbon Fibers Laminates Core Raw Materials

8.2.2 Main Manufacturers of Polyacrylonitrile-based Carbon Fibers Laminates Core Raw Materials

8.3 Midstream Analysis

8.4 Downstream Analysis

8.5 Polyacrylonitrile-based Carbon Fibers Laminates Production Mode

8.6 Polyacrylonitrile-based Carbon Fibers Laminates Procurement Model

8.7 Polyacrylonitrile-based Carbon Fibers Laminates Industry Sales Model and Sales Channels

8.7.1 Polyacrylonitrile-based Carbon Fibers Laminates Sales Model

8.7.2 Polyacrylonitrile-based Carbon Fibers Laminates Typical Customers

9 RESEARCH FINDINGS AND CONCLUSION

10 APPENDIX

10.1 Methodology

10.2 Research Process and Data Source

10.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Region (2018-2023) & (USD Million)

Table 3. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Region (2024-2029) & (USD Million)

Table 4. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share by Region (2018-2023)

Table 5. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share by Region (2024-2029)

Table 6. World Polyacrylonitrile-based Carbon Fibers Laminates Production by Region (2018-2023) & (Kiloton)

Table 7. World Polyacrylonitrile-based Carbon Fibers Laminates Production by Region (2024-2029) & (Kiloton)

Table 8. World Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share by Region (2018-2023)

Table 9. World Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share by Region (2024-2029)

Table 10. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Region (2018-2023) & (US\$/Ton)

Table 11. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Region (2024-2029) & (US\$/Ton)

Table 12. Polyacrylonitrile-based Carbon Fibers Laminates Major Market Trends

Table 13. World Polyacrylonitrile-based Carbon Fibers Laminates Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Kiloton)

Table 14. World Polyacrylonitrile-based Carbon Fibers Laminates Consumption by Region (2018-2023) & (Kiloton)

Table 15. World Polyacrylonitrile-based Carbon Fibers Laminates Consumption Forecast by Region (2024-2029) & (Kiloton)

Table 16. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Polyacrylonitrile-based Carbon Fibers Laminates Producers in 2022

Table 18. World Polyacrylonitrile-based Carbon Fibers Laminates Production by Manufacturer (2018-2023) & (Kiloton)

Table 19. Production Market Share of Key Polyacrylonitrile-based Carbon Fibers Laminates Producers in 2022

Table 20. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 21. Global Polyacrylonitrile-based Carbon Fibers Laminates Company Evaluation Quadrant

Table 22. World Polyacrylonitrile-based Carbon Fibers Laminates Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Polyacrylonitrile-based Carbon Fibers Laminates Production Site of Key Manufacturer

Table 24. Polyacrylonitrile-based Carbon Fibers Laminates Market: Company Product Type Footprint

Table 25. Polyacrylonitrile-based Carbon Fibers Laminates Market: Company Product Application Footprint

Table 26. Polyacrylonitrile-based Carbon Fibers Laminates Competitive Factors

Table 27. Polyacrylonitrile-based Carbon Fibers Laminates New Entrant and Capacity Expansion Plans

Table 28. Polyacrylonitrile-based Carbon Fibers Laminates Mergers & Acquisitions Activity

Table 29. United States VS China Polyacrylonitrile-based Carbon Fibers Laminates Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Polyacrylonitrile-based Carbon Fibers Laminates Production Comparison, (2018 & 2022 & 2029) & (Kiloton)

Table 31. United States VS China Polyacrylonitrile-based Carbon Fibers Laminates Consumption Comparison, (2018 & 2022 & 2029) & (Kiloton)

Table 32. United States Based Polyacrylonitrile-based Carbon Fibers Laminates Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2023) & (Kiloton)

Table 36. United States Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share (2018-2023)

Table 37. China Based Polyacrylonitrile-based Carbon Fibers Laminates Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share (2018-2023)

Table 40. China Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2023) & (Kiloton)

Table 41. China Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share (2018-2023)

Table 42. Rest of World Based Polyacrylonitrile-based Carbon Fibers Laminates Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2023) & (Kiloton)

Table 46. Rest of World Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share (2018-2023)

Table 47. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Polyacrylonitrile-based Carbon Fibers Laminates Production by Type (2018-2023) & (Kiloton)

Table 49. World Polyacrylonitrile-based Carbon Fibers Laminates Production by Type (2024-2029) & (Kiloton)

Table 50. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Type (2018-2023) & (USD Million)

Table 51. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Type (2024-2029) & (USD Million)

Table 52. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Type (2018-2023) & (US\$/Ton)

Table 53. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Type (2024-2029) & (US\$/Ton)

Table 54. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Polyacrylonitrile-based Carbon Fibers Laminates Production by Application (2018-2023) & (Kiloton)

Table 56. World Polyacrylonitrile-based Carbon Fibers Laminates Production by Application (2024-2029) & (Kiloton)

Table 57. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Application (2018-2023) & (USD Million)

Table 58. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by

Application (2024-2029) & (USD Million)

Table 59. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Application (2018-2023) & (US\$/Ton)

Table 60. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Application (2024-2029) & (US\$/Ton)

Table 61. Toray Industries Basic Information, Manufacturing Base and Competitors

Table 62. Toray Industries Major Business

Table 63. Toray Industries Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

Table 64. Toray Industries Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Toray Industries Recent Developments/Updates

Table 66. Toray Industries Competitive Strengths & Weaknesses

Table 67. Teijin Basic Information, Manufacturing Base and Competitors

Table 68. Teijin Major Business

Table 69. Teijin Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

Table 70. Teijin Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. Teijin Recent Developments/Updates

Table 72. Teijin Competitive Strengths & Weaknesses

Table 73. Mitsubishi Chemical Corporation Basic Information, Manufacturing Base and Competitors

Table 74. Mitsubishi Chemical Corporation Major Business

Table 75. Mitsubishi Chemical Corporation Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

Table 76. Mitsubishi Chemical Corporation Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Mitsubishi Chemical Corporation Recent Developments/Updates

Table 78. Mitsubishi Chemical Corporation Competitive Strengths & Weaknesses

Table 79. SGL Carbon SE Basic Information, Manufacturing Base and Competitors

Table 80. SGL Carbon SE Major Business

Table 81. SGL Carbon SE Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

Table 82. SGL Carbon SE Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. SGL Carbon SE Recent Developments/Updates
Table 84. SGL Carbon SE Competitive Strengths & Weaknesses
Table 85. Nippon Graphite Fiber Corporation Basic Information, Manufacturing Base and Competitors
Table 86. Nippon Graphite Fiber Corporation Major Business
Table 87. Nippon Graphite Fiber Corporation Polyacrylonitrile-based Carbon Fibers Laminates Product and Services
Table 88. Nippon Graphite Fiber Corporation Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 89. Nippon Graphite Fiber Corporation Recent Developments/Updates
Table 90. Nippon Graphite Fiber Corporation Competitive Strengths & Weaknesses
Table 91. Cytec Solvay Group Basic Information, Manufacturing Base and Competitors
Table 92. Cytec Solvay Group Major Business
Table 93. Cytec Solvay Group Polyacrylonitrile-based Carbon Fibers Laminates Product and Services
Table 94. Cytec Solvay Group Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 95. Cytec Solvay Group Recent Developments/Updates
Table 96. Cytec Solvay Group Competitive Strengths & Weaknesses
Table 97. Hyosung Corporation Basic Information, Manufacturing Base and Competitors
Table 98. Hyosung Corporation Major Business
Table 99. Hyosung Corporation Polyacrylonitrile-based Carbon Fibers Laminates Product and Services
Table 100. Hyosung Corporation Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 101. Hyosung Corporation Recent Developments/Updates
Table 102. Hyosung Corporation Competitive Strengths & Weaknesses
Table 103. DowAksa (Turkey) Basic Information, Manufacturing Base and Competitors
Table 104. DowAksa (Turkey) Major Business
Table 105. DowAksa (Turkey) Polyacrylonitrile-based Carbon Fibers Laminates Product and Services
Table 106. DowAksa (Turkey) Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
Table 107. DowAksa (Turkey) Recent Developments/Updates
Table 108. Weihai Tuozhan Fiber Basic Information, Manufacturing Base and

Competitors

Table 109. Weihai Tuozhan Fiber Major Business

Table 110. Weihai Tuozhan Fiber Polyacrylonitrile-based Carbon Fibers Laminates Product and Services

Table 111. Weihai Tuozhan Fiber Polyacrylonitrile-based Carbon Fibers Laminates Production (Kiloton), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 112. Global Key Players of Polyacrylonitrile-based Carbon Fibers Laminates Upstream (Raw Materials)

Table 113. Polyacrylonitrile-based Carbon Fibers Laminates Typical Customers

Table 114. Polyacrylonitrile-based Carbon Fibers Laminates Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Polyacrylonitrile-based Carbon Fibers Laminates Picture

Figure 2. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value: 2018 & 2022 & 2029, (USD Million)

Figure 3. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value and Forecast (2018-2029) & (USD Million)

Figure 4. World Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029) & (Kiloton)

Figure 5. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price (2018-2029) & (US\$/Ton)

Figure 6. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share by Region (2018-2029)

Figure 7. World Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share by Region (2018-2029)

Figure 8. North America Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029) & (Kiloton)

Figure 9. Europe Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029) & (Kiloton)

Figure 10. China Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029) & (Kiloton)

Figure 11. Japan Polyacrylonitrile-based Carbon Fibers Laminates Production (2018-2029) & (Kiloton)

Figure 12. Polyacrylonitrile-based Carbon Fibers Laminates Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 15. World Polyacrylonitrile-based Carbon Fibers Laminates Consumption Market Share by Region (2018-2029)

Figure 16. United States Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 17. China Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 18. Europe Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 19. Japan Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 20. South Korea Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 21. ASEAN Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 22. India Polyacrylonitrile-based Carbon Fibers Laminates Consumption (2018-2029) & (Kiloton)

Figure 23. Producer Shipments of Polyacrylonitrile-based Carbon Fibers Laminates by Manufacturer Revenue (\$MM) and Market Share (%): 2022

Figure 24. Global Four-firm Concentration Ratios (CR4) for Polyacrylonitrile-based Carbon Fibers Laminates Markets in 2022

Figure 25. Global Four-firm Concentration Ratios (CR8) for Polyacrylonitrile-based Carbon Fibers Laminates Markets in 2022

Figure 26. United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share Comparison (2018 & 2022 & 2029)

Figure 27. United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share Comparison (2018 & 2022 & 2029)

Figure 28. United States VS China: Polyacrylonitrile-based Carbon Fibers Laminates Consumption Market Share Comparison (2018 & 2022 & 2029)

Figure 29. United States Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share 2022

Figure 30. China Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share 2022

Figure 31. Rest of World Based Manufacturers Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share 2022

Figure 32. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share by Type in 2022

Figure 34. Unidirectional Carbon Fiber Laminates

Figure 35. Bidirectional Carbon Fiber Laminates

Figure 36. Multidirectional Carbon Fiber Laminates

Figure 37. World Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share by Type (2018-2029)

Figure 38. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share by Type (2018-2029)

Figure 39. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Type (2018-2029) & (US\$/Ton)

Figure 40. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 41. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share by Application in 2022

Figure 42. Aerospace

Figure 43. Automobile

Figure 44. Others

Figure 45. World Polyacrylonitrile-based Carbon Fibers Laminates Production Market Share by Application (2018-2029)

Figure 46. World Polyacrylonitrile-based Carbon Fibers Laminates Production Value Market Share by Application (2018-2029)

Figure 47. World Polyacrylonitrile-based Carbon Fibers Laminates Average Price by Application (2018-2029) & (US\$/Ton)

Figure 48. Polyacrylonitrile-based Carbon Fibers Laminates Industry Chain

Figure 49. Polyacrylonitrile-based Carbon Fibers Laminates Procurement Model

Figure 50. Polyacrylonitrile-based Carbon Fibers Laminates Sales Model

Figure 51. Polyacrylonitrile-based Carbon Fibers Laminates Sales Channels, Direct Sales, and Distribution

Figure 52. Methodology

Figure 53. Research Process and Data Source

I would like to order

Product name: Global Polyacrylonitrile-based Carbon Fibers Laminates Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G8CEB06F6B53EN.html>

Price: US\$ 4,480.00 (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/G8CEB06F6B53EN.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

