

Global Polyacrylonitrile-based Carbon Fibers Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G203AC1E59F7EN.html>

Date: May 2024

Pages: 112

Price: US\$ 3,480.00 (Single User License)

ID: G203AC1E59F7EN

Abstracts

According to our (Global Info Research) latest study, the global Polyacrylonitrile-based Carbon Fibers market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Polyacrylonitrile (PAN) is the predominant precursor for high-performance carbon fibers. It is used to produce about 90% of the carbon fiber produced. PAN-based carbon fibers are produced by spinning the PAN co-polymer to form the fibers. PAN exhibits a high carbon yield (50–60%) and well-balanced carbon fiber properties, with high tensile and compressive strengths and reasonably good tensile modulus, compared to other precursors.

The Global Info Research report includes an overview of the development of the Polyacrylonitrile-based Carbon Fibers industry chain, the market status of Aerospace (Spun Type, Filament Type), Automotive (Spun Type, Filament Type), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Polyacrylonitrile-based Carbon Fibers.

Regionally, the report analyzes the Polyacrylonitrile-based Carbon Fibers markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Polyacrylonitrile-based Carbon Fibers market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Polyacrylonitrile-based Carbon Fibers market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Polyacrylonitrile-based Carbon Fibers industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K MT), revenue generated, and market share of different by Type (e.g., Spun Type, Filament Type).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Polyacrylonitrile-based Carbon Fibers market.

Regional Analysis: The report involves examining the Polyacrylonitrile-based Carbon Fibers market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Polyacrylonitrile-based Carbon Fibers market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Polyacrylonitrile-based Carbon Fibers:

Company Analysis: Report covers individual Polyacrylonitrile-based Carbon Fibers manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Polyacrylonitrile-based Carbon Fibers This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application

(Aerospace, Automotive).

Technology Analysis: Report covers specific technologies relevant to Polyacrylonitrile-based Carbon Fibers. It assesses the current state, advancements, and potential future developments in Polyacrylonitrile-based Carbon Fibers areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Polyacrylonitrile-based Carbon Fibers market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Polyacrylonitrile-based Carbon Fibers market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Spun Type

Filament Type

Others

Market segment by Application

Aerospace

Automotive

Sports & Entertainment

Others

Major players covered

Toray

Toho

Misubishi Rayon

Hecel

Cytec

Zoltek

AKSA

SGL

Formosa

HYOSUNG

TAEKWANG

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Polyacrylonitrile-based Carbon Fibers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Polyacrylonitrile-based Carbon Fibers, with price, sales, revenue and global market share of Polyacrylonitrile-based Carbon Fibers from 2019 to 2024.

Chapter 3, the Polyacrylonitrile-based Carbon Fibers competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Polyacrylonitrile-based Carbon Fibers breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Polyacrylonitrile-based Carbon Fibers market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Polyacrylonitrile-based Carbon Fibers.

Chapter 14 and 15, to describe Polyacrylonitrile-based Carbon Fibers sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

- 1.1 Product Overview and Scope of Polyacrylonitrile-based Carbon Fibers
- 1.2 Market Estimation Caveats and Base Year
- 1.3 Market Analysis by Type
 - 1.3.1 Overview: Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Type: 2019 Versus 2023 Versus 2030
 - 1.3.2 Spun Type
 - 1.3.3 Filament Type
 - 1.3.4 Others
- 1.4 Market Analysis by Application
 - 1.4.1 Overview: Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Application: 2019 Versus 2023 Versus 2030
 - 1.4.2 Aerospace
 - 1.4.3 Automotive
 - 1.4.4 Sports & Entertainment
 - 1.4.5 Others
- 1.5 Global Polyacrylonitrile-based Carbon Fibers Market Size & Forecast
 - 1.5.1 Global Polyacrylonitrile-based Carbon Fibers Consumption Value (2019 & 2023 & 2030)
 - 1.5.2 Global Polyacrylonitrile-based Carbon Fibers Sales Quantity (2019-2030)
 - 1.5.3 Global Polyacrylonitrile-based Carbon Fibers Average Price (2019-2030)

2 MANUFACTURERS PROFILES

- 2.1 Toray
 - 2.1.1 Toray Details
 - 2.1.2 Toray Major Business
 - 2.1.3 Toray Polyacrylonitrile-based Carbon Fibers Product and Services
 - 2.1.4 Toray Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.1.5 Toray Recent Developments/Updates
- 2.2 Toho
 - 2.2.1 Toho Details
 - 2.2.2 Toho Major Business
 - 2.2.3 Toho Polyacrylonitrile-based Carbon Fibers Product and Services
 - 2.2.4 Toho Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price,

Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Toho Recent Developments/Updates

2.3 Misubishi Rayon

2.3.1 Misubishi Rayon Details

2.3.2 Misubishi Rayon Major Business

2.3.3 Misubishi Rayon Polyacrylonitrile-based Carbon Fibers Product and Services

2.3.4 Misubishi Rayon Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Misubishi Rayon Recent Developments/Updates

2.4 Hecel

2.4.1 Hecel Details

2.4.2 Hecel Major Business

2.4.3 Hecel Polyacrylonitrile-based Carbon Fibers Product and Services

2.4.4 Hecel Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Hecel Recent Developments/Updates

2.5 Cytec

2.5.1 Cytec Details

2.5.2 Cytec Major Business

2.5.3 Cytec Polyacrylonitrile-based Carbon Fibers Product and Services

2.5.4 Cytec Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Cytec Recent Developments/Updates

2.6 Zoltek

2.6.1 Zoltek Details

2.6.2 Zoltek Major Business

2.6.3 Zoltek Polyacrylonitrile-based Carbon Fibers Product and Services

2.6.4 Zoltek Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Zoltek Recent Developments/Updates

2.7 AKSA

2.7.1 AKSA Details

2.7.2 AKSA Major Business

2.7.3 AKSA Polyacrylonitrile-based Carbon Fibers Product and Services

2.7.4 AKSA Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 AKSA Recent Developments/Updates

2.8 SGL

2.8.1 SGL Details

- 2.8.2 SGL Major Business
- 2.8.3 SGL Polyacrylonitrile-based Carbon Fibers Product and Services
- 2.8.4 SGL Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 SGL Recent Developments/Updates
- 2.9 Formosa
 - 2.9.1 Formosa Details
 - 2.9.2 Formosa Major Business
 - 2.9.3 Formosa Polyacrylonitrile-based Carbon Fibers Product and Services
 - 2.9.4 Formosa Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Formosa Recent Developments/Updates
- 2.10 HYOSUNG
 - 2.10.1 HYOSUNG Details
 - 2.10.2 HYOSUNG Major Business
 - 2.10.3 HYOSUNG Polyacrylonitrile-based Carbon Fibers Product and Services
 - 2.10.4 HYOSUNG Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 HYOSUNG Recent Developments/Updates
- 2.11 TAEKWANG
 - 2.11.1 TAEKWANG Details
 - 2.11.2 TAEKWANG Major Business
 - 2.11.3 TAEKWANG Polyacrylonitrile-based Carbon Fibers Product and Services
 - 2.11.4 TAEKWANG Polyacrylonitrile-based Carbon Fibers Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.11.5 TAEKWANG Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: POLYACRYLONITRILE-BASED CARBON FIBERS BY MANUFACTURER

- 3.1 Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Polyacrylonitrile-based Carbon Fibers Revenue by Manufacturer (2019-2024)
- 3.3 Global Polyacrylonitrile-based Carbon Fibers Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Polyacrylonitrile-based Carbon Fibers by Manufacturer Revenue (\$MM) and Market Share (%): 2023

- 3.4.2 Top 3 Polyacrylonitrile-based Carbon Fibers Manufacturer Market Share in 2023
- 3.4.2 Top 6 Polyacrylonitrile-based Carbon Fibers Manufacturer Market Share in 2023
- 3.5 Polyacrylonitrile-based Carbon Fibers Market: Overall Company Footprint Analysis
 - 3.5.1 Polyacrylonitrile-based Carbon Fibers Market: Region Footprint
 - 3.5.2 Polyacrylonitrile-based Carbon Fibers Market: Company Product Type Footprint
 - 3.5.3 Polyacrylonitrile-based Carbon Fibers Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Polyacrylonitrile-based Carbon Fibers Market Size by Region
 - 4.1.1 Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2019-2030)
 - 4.1.3 Global Polyacrylonitrile-based Carbon Fibers Average Price by Region (2019-2030)
- 4.2 North America Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030)
- 4.3 Europe Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030)
- 4.4 Asia-Pacific Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030)
- 4.5 South America Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030)
- 4.6 Middle East and Africa Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2030)
- 5.2 Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Type (2019-2030)
- 5.3 Global Polyacrylonitrile-based Carbon Fibers Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2030)

6.2 Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Application (2019-2030)

6.3 Global Polyacrylonitrile-based Carbon Fibers Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2030)

7.2 North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2030)

7.3 North America Polyacrylonitrile-based Carbon Fibers Market Size by Country

7.3.1 North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2019-2030)

7.3.2 North America Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2030)

8.2 Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2030)

8.3 Europe Polyacrylonitrile-based Carbon Fibers Market Size by Country

8.3.1 Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2019-2030)

8.3.2 Europe Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type

(2019-2030)

9.2 Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Polyacrylonitrile-based Carbon Fibers Market Size by Region

9.3.1 Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2030)

10.2 South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2030)

10.3 South America Polyacrylonitrile-based Carbon Fibers Market Size by Country

10.3.1 South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2019-2030)

10.3.2 South America Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Polyacrylonitrile-based Carbon Fibers Market Size by Country

11.3.1 Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Polyacrylonitrile-based Carbon Fibers Consumption Value

by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Polyacrylonitrile-based Carbon Fibers Market Drivers

12.2 Polyacrylonitrile-based Carbon Fibers Market Restraints

12.3 Polyacrylonitrile-based Carbon Fibers Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Polyacrylonitrile-based Carbon Fibers and Key Manufacturers

13.2 Manufacturing Costs Percentage of Polyacrylonitrile-based Carbon Fibers

13.3 Polyacrylonitrile-based Carbon Fibers Production Process

13.4 Polyacrylonitrile-based Carbon Fibers Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Polyacrylonitrile-based Carbon Fibers Typical Distributors

14.3 Polyacrylonitrile-based Carbon Fibers Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Toray Basic Information, Manufacturing Base and Competitors

Table 4. Toray Major Business

Table 5. Toray Polyacrylonitrile-based Carbon Fibers Product and Services

Table 6. Toray Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Toray Recent Developments/Updates

Table 8. Toho Basic Information, Manufacturing Base and Competitors

Table 9. Toho Major Business

Table 10. Toho Polyacrylonitrile-based Carbon Fibers Product and Services

Table 11. Toho Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Toho Recent Developments/Updates

Table 13. Misubishi Rayon Basic Information, Manufacturing Base and Competitors

Table 14. Misubishi Rayon Major Business

Table 15. Misubishi Rayon Polyacrylonitrile-based Carbon Fibers Product and Services

Table 16. Misubishi Rayon Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Misubishi Rayon Recent Developments/Updates

Table 18. Hecel Basic Information, Manufacturing Base and Competitors

Table 19. Hecel Major Business

Table 20. Hecel Polyacrylonitrile-based Carbon Fibers Product and Services

Table 21. Hecel Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Hecel Recent Developments/Updates

Table 23. Cytec Basic Information, Manufacturing Base and Competitors

Table 24. Cytec Major Business

Table 25. Cytec Polyacrylonitrile-based Carbon Fibers Product and Services

Table 26. Cytec Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Cytec Recent Developments/Updates

Table 28. Zoltek Basic Information, Manufacturing Base and Competitors

Table 29. Zoltek Major Business

Table 30. Zoltek Polyacrylonitrile-based Carbon Fibers Product and Services

Table 31. Zoltek Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 32. Zoltek Recent Developments/Updates

Table 33. AKSA Basic Information, Manufacturing Base and Competitors

Table 34. AKSA Major Business

Table 35. AKSA Polyacrylonitrile-based Carbon Fibers Product and Services

Table 36. AKSA Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 37. AKSA Recent Developments/Updates

Table 38. SGL Basic Information, Manufacturing Base and Competitors

Table 39. SGL Major Business

Table 40. SGL Polyacrylonitrile-based Carbon Fibers Product and Services

Table 41. SGL Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 42. SGL Recent Developments/Updates

Table 43. Formosa Basic Information, Manufacturing Base and Competitors

Table 44. Formosa Major Business

Table 45. Formosa Polyacrylonitrile-based Carbon Fibers Product and Services

Table 46. Formosa Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 47. Formosa Recent Developments/Updates

Table 48. HYOSUNG Basic Information, Manufacturing Base and Competitors

Table 49. HYOSUNG Major Business

Table 50. HYOSUNG Polyacrylonitrile-based Carbon Fibers Product and Services

Table 51. HYOSUNG Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 52. HYOSUNG Recent Developments/Updates

Table 53. TAEKWANG Basic Information, Manufacturing Base and Competitors

Table 54. TAEKWANG Major Business

Table 55. TAEKWANG Polyacrylonitrile-based Carbon Fibers Product and Services

Table 56. TAEKWANG Polyacrylonitrile-based Carbon Fibers Sales Quantity (K MT), Average Price (USD/MT), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 57. TAEKWANG Recent Developments/Updates

Table 58. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Manufacturer (2019-2024) & (K MT)

Table 59. Global Polyacrylonitrile-based Carbon Fibers Revenue by Manufacturer (2019-2024) & (USD Million)

Table 60. Global Polyacrylonitrile-based Carbon Fibers Average Price by Manufacturer (2019-2024) & (USD/MT)

Table 61. Market Position of Manufacturers in Polyacrylonitrile-based Carbon Fibers, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 62. Head Office and Polyacrylonitrile-based Carbon Fibers Production Site of Key Manufacturer

Table 63. Polyacrylonitrile-based Carbon Fibers Market: Company Product Type Footprint

Table 64. Polyacrylonitrile-based Carbon Fibers Market: Company Product Application Footprint

Table 65. Polyacrylonitrile-based Carbon Fibers New Market Entrants and Barriers to Market Entry

Table 66. Polyacrylonitrile-based Carbon Fibers Mergers, Acquisition, Agreements, and Collaborations

Table 67. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2019-2024) & (K MT)

Table 68. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2025-2030) & (K MT)

Table 69. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2019-2024) & (USD Million)

Table 70. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2025-2030) & (USD Million)

Table 71. Global Polyacrylonitrile-based Carbon Fibers Average Price by Region (2019-2024) & (USD/MT)

Table 72. Global Polyacrylonitrile-based Carbon Fibers Average Price by Region (2025-2030) & (USD/MT)

Table 73. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2024) & (K MT)

Table 74. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2025-2030) & (K MT)

Table 75. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Type (2019-2024) & (USD Million)

Table 76. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Type (2025-2030) & (USD Million)

Table 77. Global Polyacrylonitrile-based Carbon Fibers Average Price by Type

(2019-2024) & (USD/MT)

Table 78. Global Polyacrylonitrile-based Carbon Fibers Average Price by Type

(2025-2030) & (USD/MT)

Table 79. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application

(2019-2024) & (K MT)

Table 80. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application

(2025-2030) & (K MT)

Table 81. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Application (2019-2024) & (USD Million)

Table 82. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Application (2025-2030) & (USD Million)

Table 83. Global Polyacrylonitrile-based Carbon Fibers Average Price by Application (2019-2024) & (USD/MT)

Table 84. Global Polyacrylonitrile-based Carbon Fibers Average Price by Application (2025-2030) & (USD/MT)

Table 85. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2024) & (K MT)

Table 86. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2025-2030) & (K MT)

Table 87. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2024) & (K MT)

Table 88. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2025-2030) & (K MT)

Table 89. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2019-2024) & (K MT)

Table 90. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2025-2030) & (K MT)

Table 91. North America Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2019-2024) & (USD Million)

Table 92. North America Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2025-2030) & (USD Million)

Table 93. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2024) & (K MT)

Table 94. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2025-2030) & (K MT)

Table 95. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2024) & (K MT)

Table 96. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2025-2030) & (K MT)

Table 97. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2019-2024) & (K MT)

Table 98. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2025-2030) & (K MT)

Table 99. Europe Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2019-2024) & (USD Million)

Table 100. Europe Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2025-2030) & (USD Million)

Table 101. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2024) & (K MT)

Table 102. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2025-2030) & (K MT)

Table 103. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2024) & (K MT)

Table 104. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2025-2030) & (K MT)

Table 105. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2019-2024) & (K MT)

Table 106. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2025-2030) & (K MT)

Table 107. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2019-2024) & (USD Million)

Table 108. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2025-2030) & (USD Million)

Table 109. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2024) & (K MT)

Table 110. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2025-2030) & (K MT)

Table 111. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2024) & (K MT)

Table 112. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2025-2030) & (K MT)

Table 113. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2019-2024) & (K MT)

Table 114. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity by Country (2025-2030) & (K MT)

Table 115. South America Polyacrylonitrile-based Carbon Fibers Consumption Value by Country (2019-2024) & (USD Million)

Table 116. South America Polyacrylonitrile-based Carbon Fibers Consumption Value by

Country (2025-2030) & (USD Million)

Table 117. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2019-2024) & (K MT)

Table 118. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Type (2025-2030) & (K MT)

Table 119. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2019-2024) & (K MT)

Table 120. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Application (2025-2030) & (K MT)

Table 121. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2019-2024) & (K MT)

Table 122. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity by Region (2025-2030) & (K MT)

Table 123. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2019-2024) & (USD Million)

Table 124. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Consumption Value by Region (2025-2030) & (USD Million)

Table 125. Polyacrylonitrile-based Carbon Fibers Raw Material

Table 126. Key Manufacturers of Polyacrylonitrile-based Carbon Fibers Raw Materials

Table 127. Polyacrylonitrile-based Carbon Fibers Typical Distributors

Table 128. Polyacrylonitrile-based Carbon Fibers Typical Customers

List Of Figures

LIST OF FIGURES

- Figure 1. Polyacrylonitrile-based Carbon Fibers Picture
- Figure 2. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Type, (USD Million), 2019 & 2023 & 2030
- Figure 3. Global Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Type in 2023
- Figure 4. Spun Type Examples
- Figure 5. Filament Type Examples
- Figure 6. Others Examples
- Figure 7. Global Polyacrylonitrile-based Carbon Fibers Consumption Value by Application, (USD Million), 2019 & 2023 & 2030
- Figure 8. Global Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Application in 2023
- Figure 9. Aerospace Examples
- Figure 10. Automotive Examples
- Figure 11. Sports & Entertainment Examples
- Figure 12. Others Examples
- Figure 13. Global Polyacrylonitrile-based Carbon Fibers Consumption Value, (USD Million): 2019 & 2023 & 2030
- Figure 14. Global Polyacrylonitrile-based Carbon Fibers Consumption Value and Forecast (2019-2030) & (USD Million)
- Figure 15. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity (2019-2030) & (K MT)
- Figure 16. Global Polyacrylonitrile-based Carbon Fibers Average Price (2019-2030) & (USD/MT)
- Figure 17. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Manufacturer in 2023
- Figure 18. Global Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Manufacturer in 2023
- Figure 19. Producer Shipments of Polyacrylonitrile-based Carbon Fibers by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023
- Figure 20. Top 3 Polyacrylonitrile-based Carbon Fibers Manufacturer (Consumption Value) Market Share in 2023
- Figure 21. Top 6 Polyacrylonitrile-based Carbon Fibers Manufacturer (Consumption Value) Market Share in 2023
- Figure 22. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share

by Region (2019-2030)

Figure 23. Global Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Region (2019-2030)

Figure 24. North America Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030) & (USD Million)

Figure 25. Europe Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030) & (USD Million)

Figure 26. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030) & (USD Million)

Figure 27. South America Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030) & (USD Million)

Figure 28. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Consumption Value (2019-2030) & (USD Million)

Figure 29. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Type (2019-2030)

Figure 30. Global Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Type (2019-2030)

Figure 31. Global Polyacrylonitrile-based Carbon Fibers Average Price by Type (2019-2030) & (USD/MT)

Figure 32. Global Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Application (2019-2030)

Figure 33. Global Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Application (2019-2030)

Figure 34. Global Polyacrylonitrile-based Carbon Fibers Average Price by Application (2019-2030) & (USD/MT)

Figure 35. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Type (2019-2030)

Figure 36. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Application (2019-2030)

Figure 37. North America Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Country (2019-2030)

Figure 38. North America Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Country (2019-2030)

Figure 39. United States Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Canada Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Mexico Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Type (2019-2030)

Figure 43. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Application (2019-2030)

Figure 44. Europe Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Country (2019-2030)

Figure 45. Europe Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Country (2019-2030)

Figure 46. Germany Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. France Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. United Kingdom Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Russia Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Italy Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Type (2019-2030)

Figure 52. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Application (2019-2030)

Figure 53. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Region (2019-2030)

Figure 54. Asia-Pacific Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Region (2019-2030)

Figure 55. China Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Japan Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. Korea Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. India Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Southeast Asia Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. Australia Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity Market

Share by Type (2019-2030)

Figure 62. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Application (2019-2030)

Figure 63. South America Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Country (2019-2030)

Figure 64. South America Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Country (2019-2030)

Figure 65. Brazil Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Argentina Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 67. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Type (2019-2030)

Figure 68. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Application (2019-2030)

Figure 69. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Sales Quantity Market Share by Region (2019-2030)

Figure 70. Middle East & Africa Polyacrylonitrile-based Carbon Fibers Consumption Value Market Share by Region (2019-2030)

Figure 71. Turkey Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Egypt Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. Saudi Arabia Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. South Africa Polyacrylonitrile-based Carbon Fibers Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Polyacrylonitrile-based Carbon Fibers Market Drivers

Figure 76. Polyacrylonitrile-based Carbon Fibers Market Restraints

Figure 77. Polyacrylonitrile-based Carbon Fibers Market Trends

Figure 78. Porters Five Forces Analysis

Figure 79. Manufacturing Cost Structure Analysis of Polyacrylonitrile-based Carbon Fibers in 2023

Figure 80. Manufacturing Process Analysis of Polyacrylonitrile-based Carbon Fibers

Figure 81. Polyacrylonitrile-based Carbon Fibers Industrial Chain

Figure 82. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 83. Direct Channel Pros & Cons

Figure 84. Indirect Channel Pros & Cons

Figure 85. Methodology

Figure 86. Research Process and Data Source

I would like to order

Product name: Global Polyacrylonitrile-based Carbon Fibers Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G203AC1E59F7EN.html>

Price: US\$ 3,480.00 (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/G203AC1E59F7EN.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

