

Global Alkali-Resistant Glass Fiber Yarn Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Alkali-Resistant Glass Fiber Yarn market size is expected to reach \$ 427 million by 2032, rising at a market growth of 4.6% CAGR during the forecast period (2026-2032).

Alkali-resistant glass fiber yarn is a continuous glass fiber yarn product made from alkali-resistant glass with a high zirconium (ZrO_2) content as raw material, through processes such as high-temperature melting, drawing, impregnation with sizing agents, and twisting. Its most significant characteristic is its excellent corrosion resistance in strongly alkaline environments, enabling it to resist the erosion of cement, hydration products, and other alkaline media for extended periods, thus maintaining high mechanical strength and durability.

The upstream of the industry chain mainly includes mineral raw materials such as quartz sand, pyrophyllite, limestone, dolomite, zirconium oxide (ZrO_2), and borax, as well as suppliers of impregnating agents, coupling agents, and glass fiber drawing equipment. The midstream consists of alkali-resistant glass fiber yarn manufacturers, who produce high-zirconium-content alkali-resistant glass fiber yarn, jet yarn, direct untwisted roving, and chopped strand yarn through processes such as batching and melting, spinneret drawing, impregnating agent coating, bundling, plying, and twisting. The downstream applications are mainly in glass fiber reinforced cement (GRC/GFRC), building curtain walls, waterproofing materials, exterior insulation systems (EIFS), industrial corrosion protection, and various cement-based composite materials.

In 2025, global sales of alkali-resistant glass fiber yarn reached 125,000 tons, with a production capacity of approximately 178,000 tons, an average selling price of US\$2.42/kg, and an average gross profit margin of 40%-50%.

Global policies promoting green building, energy-efficient building, and low-carbon building materials continue to drive the development of the alkali-resistant fiberglass industry. China, Europe, and the Middle East all encourage the use of lightweight and sustainable building materials, boosting the market for GRC curtain walls and prefabricated building components. Meanwhile, policies promoting prefabricated buildings and investments in infrastructure upgrades further increase demand for alkali-resistant fiberglass.

This report studies the global Alkali-Resistant Glass Fiber Yarn production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Alkali-Resistant Glass Fiber Yarn and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Alkali-Resistant Glass Fiber Yarn that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Alkali-Resistant Glass Fiber Yarn total production and demand, 2021-2032, (Kilotons)

Global Alkali-Resistant Glass Fiber Yarn total production value, 2021-2032, (USD Million)

Global Alkali-Resistant Glass Fiber Yarn production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Alkali-Resistant Glass Fiber Yarn consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Alkali-Resistant Glass Fiber Yarn domestic production, consumption, key domestic manufacturers and share

Global Alkali-Resistant Glass Fiber Yarn production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Alkali-Resistant Glass Fiber Yarn production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Alkali-Resistant Glass Fiber Yarn production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Alkali-Resistant Glass Fiber Yarn 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 Owens Corning, Nippon Electric

Glass, Nycon, Fibre Technologies International, Jushi Group, Taishan Fiberglass, Huierjie, Changshu Jiangnan Fiberglass, CTech-LLC, FSD, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Alkali-Resistant Glass Fiber Yarn market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Alkali-Resistant Glass Fiber Yarn Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Alkali-Resistant Glass Fiber Yarn Market, Segmentation by Type:

Ply Yarn

Straight Winding Yarn

Global Alkali-Resistant Glass Fiber Yarn Market, Segmentation by ZrO₂ Content:

14.5%

16.7%

Global Alkali-Resistant Glass Fiber Yarn Market, Segmentation by Monofilament Strength:

0.25-0.3N/tex

0.3-0.4N/tex

Global Alkali-Resistant Glass Fiber Yarn Market, Segmentation by Application:

GRC Products

Exterior Wall Insulation

Industrial Corrosion Protection

Others

Companies Profiled:

Owens Corning

Nippon Electric Glass

Nycon

Fibre Technologies International

Jushi Group

Taishan Fiberglass

Huierjie

Changshu Jiangnan Fiberglass

CTech-LLC

FSD

Womersley's

Yuniuxincai

Saint-Gobain ADFORS

Key Questions Answered:

1. How big is the global Alkali-Resistant Glass Fiber Yarn market?
2. What is the demand of the global Alkali-Resistant Glass Fiber Yarn market?
3. What is the year over year growth of the global Alkali-Resistant Glass Fiber Yarn market?
4. What is the production and production value of the global Alkali-Resistant Glass Fiber Yarn market?
5. Who are the key producers in the global Alkali-Resistant Glass Fiber Yarn market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Alkali-Resistant Glass Fiber Yarn Introduction
- 1.2 World Alkali-Resistant Glass Fiber Yarn Supply & Forecast
 - 1.2.1 World Alkali-Resistant Glass Fiber Yarn Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Alkali-Resistant Glass Fiber Yarn Production (2021-2032)
 - 1.2.3 World Alkali-Resistant Glass Fiber Yarn Pricing Trends (2021-2032)
- 1.3 World Alkali-Resistant Glass Fiber Yarn Production by Region (Based on Production Site)
 - 1.3.1 World Alkali-Resistant Glass Fiber Yarn Production Value by Region (2021-2032)
 - 1.3.2 World Alkali-Resistant Glass Fiber Yarn Production by Region (2021-2032)
 - 1.3.3 World Alkali-Resistant Glass Fiber Yarn Average Price by Region (2021-2032)
 - 1.3.4 North America Alkali-Resistant Glass Fiber Yarn Production (2021-2032)
 - 1.3.5 Europe Alkali-Resistant Glass Fiber Yarn Production (2021-2032)
 - 1.3.6 China Alkali-Resistant Glass Fiber Yarn Production (2021-2032)
 - 1.3.7 Japan Alkali-Resistant Glass Fiber Yarn Production (2021-2032)
 - 1.3.8 India Alkali-Resistant Glass Fiber Yarn Production (2021-2032)
 - 1.3.9 Southeast Asia Alkali-Resistant Glass Fiber Yarn Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Alkali-Resistant Glass Fiber Yarn Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Alkali-Resistant Glass Fiber Yarn Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Alkali-Resistant Glass Fiber Yarn Demand (2021-2032)
- 2.2 World Alkali-Resistant Glass Fiber Yarn Consumption by Region
 - 2.2.1 World Alkali-Resistant Glass Fiber Yarn Consumption by Region (2021-2026)
 - 2.2.2 World Alkali-Resistant Glass Fiber Yarn Consumption Forecast by Region (2027-2032)
- 2.3 United States Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032)
- 2.4 China Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032)
- 2.5 Europe Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032)
- 2.6 Japan Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032)
- 2.7 South Korea Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032)
- 2.8 ASEAN Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032)

2.9 India Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Alkali-Resistant Glass Fiber Yarn Production Value by Manufacturer (2021-2026)

3.2 World Alkali-Resistant Glass Fiber Yarn Production by Manufacturer (2021-2026)

3.3 World Alkali-Resistant Glass Fiber Yarn Average Price by Manufacturer (2021-2026)

3.4 Alkali-Resistant Glass Fiber Yarn Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Alkali-Resistant Glass Fiber Yarn Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Alkali-Resistant Glass Fiber Yarn in 2025

3.5.3 Global Concentration Ratios (CR8) for Alkali-Resistant Glass Fiber Yarn in 2025

3.6 Alkali-Resistant Glass Fiber Yarn Market: Overall Company Footprint Analysis

3.6.1 Alkali-Resistant Glass Fiber Yarn Market: Region Footprint

3.6.2 Alkali-Resistant Glass Fiber Yarn Market: Company Product Type Footprint

3.6.3 Alkali-Resistant Glass Fiber Yarn 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: Alkali-Resistant Glass Fiber Yarn Production Value Comparison

4.1.1 United States VS China: Alkali-Resistant Glass Fiber Yarn Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Alkali-Resistant Glass Fiber Yarn Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Alkali-Resistant Glass Fiber Yarn Production Comparison

4.2.1 United States VS China: Alkali-Resistant Glass Fiber Yarn Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Alkali-Resistant Glass Fiber Yarn Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Alkali-Resistant Glass Fiber Yarn Consumption Comparison

4.3.1 United States VS China: Alkali-Resistant Glass Fiber Yarn Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Alkali-Resistant Glass Fiber Yarn Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Alkali-Resistant Glass Fiber Yarn Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Alkali-Resistant Glass Fiber Yarn Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value (2021-2026)

4.4.3 United States Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production (2021-2026)

4.5 China Based Alkali-Resistant Glass Fiber Yarn Manufacturers and Market Share

4.5.1 China Based Alkali-Resistant Glass Fiber Yarn Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value (2021-2026)

4.5.3 China Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production (2021-2026)

4.6 Rest of World Based Alkali-Resistant Glass Fiber Yarn Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Alkali-Resistant Glass Fiber Yarn Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Alkali-Resistant Glass Fiber Yarn Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Ply Yarn

5.2.2 Straight Winding Yarn

5.3 Market Segment by Type

5.3.1 World Alkali-Resistant Glass Fiber Yarn Production by Type (2021-2032)

5.3.2 World Alkali-Resistant Glass Fiber Yarn Production Value by Type (2021-2032)

5.3.3 World Alkali-Resistant Glass Fiber Yarn Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY ZrO₂ CONTENT

6.1 World Alkali-Resistant Glass Fiber Yarn Market Size Overview by ZrO₂ Content: 2021 VS 2025 VS 2032

6.2 Segment Introduction by ZrO₂ Content

6.2.1 14.5%

6.2.2 16.7%

6.3 Market Segment by ZrO₂ Content

6.3.1 World Alkali-Resistant Glass Fiber Yarn Production by ZrO₂ Content (2021-2032)

6.3.2 World Alkali-Resistant Glass Fiber Yarn Production Value by ZrO₂ Content (2021-2032)

6.3.3 World Alkali-Resistant Glass Fiber Yarn Average Price by ZrO₂ Content (2021-2032)

7 MARKET ANALYSIS BY MONOFILAMENT STRENGTH

7.1 World Alkali-Resistant Glass Fiber Yarn Market Size Overview by Monofilament Strength: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Monofilament Strength

7.2.1 0.25-0.3N/tex

7.2.2 0.3-0.4N/tex

7.3 Market Segment by Monofilament Strength

7.3.1 World Alkali-Resistant Glass Fiber Yarn Production by Monofilament Strength (2021-2032)

7.3.2 World Alkali-Resistant Glass Fiber Yarn Production Value by Monofilament Strength (2021-2032)

7.3.3 World Alkali-Resistant Glass Fiber Yarn Average Price by Monofilament Strength (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Alkali-Resistant Glass Fiber Yarn Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 GRC Products

8.2.2 Exterior Wall Insulation

8.2.3 Industrial Corrosion Protection

8.2.4 Others

8.3 Market Segment by Application

8.3.1 World Alkali-Resistant Glass Fiber Yarn Production by Application (2021-2032)

8.3.2 World Alkali-Resistant Glass Fiber Yarn Production Value by Application
(2021-2032)

8.3.3 World Alkali-Resistant Glass Fiber Yarn Average Price by Application
(2021-2032)

9 COMPANY PROFILES

9.1 Owens Corning

9.1.1 Owens Corning Details

9.1.2 Owens Corning Major Business

9.1.3 Owens Corning Alkali-Resistant Glass Fiber Yarn Product and Services

9.1.4 Owens Corning Alkali-Resistant Glass Fiber Yarn Production, Price, Value,
Gross Margin and Market Share (2021-2026)

9.1.5 Owens Corning Recent Developments/Updates

9.1.6 Owens Corning Competitive Strengths & Weaknesses

9.2 Nippon Electric Glass

9.2.1 Nippon Electric Glass Details

9.2.2 Nippon Electric Glass Major Business

9.2.3 Nippon Electric Glass Alkali-Resistant Glass Fiber Yarn Product and Services

9.2.4 Nippon Electric Glass Alkali-Resistant Glass Fiber Yarn Production, Price, Value,
Gross Margin and Market Share (2021-2026)

9.2.5 Nippon Electric Glass Recent Developments/Updates

9.2.6 Nippon Electric Glass Competitive Strengths & Weaknesses

9.3 Nycon

9.3.1 Nycon Details

9.3.2 Nycon Major Business

9.3.3 Nycon Alkali-Resistant Glass Fiber Yarn Product and Services

9.3.4 Nycon Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin
and Market Share (2021-2026)

9.3.5 Nycon Recent Developments/Updates

9.3.6 Nycon Competitive Strengths & Weaknesses

9.4 Fibre Technologies International

9.4.1 Fibre Technologies International Details

9.4.2 Fibre Technologies International Major Business

9.4.3 Fibre Technologies International Alkali-Resistant Glass Fiber Yarn Product and Services

9.4.4 Fibre Technologies International Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Fibre Technologies International Recent Developments/Updates

9.4.6 Fibre Technologies International Competitive Strengths & Weaknesses

9.5 Jushi Group

9.5.1 Jushi Group Details

9.5.2 Jushi Group Major Business

9.5.3 Jushi Group Alkali-Resistant Glass Fiber Yarn Product and Services

9.5.4 Jushi Group Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Jushi Group Recent Developments/Updates

9.5.6 Jushi Group Competitive Strengths & Weaknesses

9.6 Taishan Fiberglass

9.6.1 Taishan Fiberglass Details

9.6.2 Taishan Fiberglass Major Business

9.6.3 Taishan Fiberglass Alkali-Resistant Glass Fiber Yarn Product and Services

9.6.4 Taishan Fiberglass Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Taishan Fiberglass Recent Developments/Updates

9.6.6 Taishan Fiberglass Competitive Strengths & Weaknesses

9.7 Huierjie

9.7.1 Huierjie Details

9.7.2 Huierjie Major Business

9.7.3 Huierjie Alkali-Resistant Glass Fiber Yarn Product and Services

9.7.4 Huierjie Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Huierjie Recent Developments/Updates

9.7.6 Huierjie Competitive Strengths & Weaknesses

9.8 Changshu Jiangnan Fiberglass

9.8.1 Changshu Jiangnan Fiberglass Details

9.8.2 Changshu Jiangnan Fiberglass Major Business

9.8.3 Changshu Jiangnan Fiberglass Alkali-Resistant Glass Fiber Yarn Product and Services

9.8.4 Changshu Jiangnan Fiberglass Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Changshu Jiangnan Fiberglass Recent Developments/Updates

9.8.6 Changshu Jiangnan Fiberglass Competitive Strengths & Weaknesses

9.9 CTech-LLC

9.9.1 CTech-LLC Details

9.9.2 CTech-LLC Major Business

9.9.3 CTech-LLC Alkali-Resistant Glass Fiber Yarn Product and Services

9.9.4 CTech-LLC Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 CTech-LLC Recent Developments/Updates

9.9.6 CTech-LLC Competitive Strengths & Weaknesses

9.10 FSD

9.10.1 FSD Details

9.10.2 FSD Major Business

9.10.3 FSD Alkali-Resistant Glass Fiber Yarn Product and Services

9.10.4 FSD Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 FSD Recent Developments/Updates

9.10.6 FSD Competitive Strengths & Weaknesses

9.11 Womersley's

9.11.1 Womersley's Details

9.11.2 Womersley's Major Business

9.11.3 Womersley's Alkali-Resistant Glass Fiber Yarn Product and Services

9.11.4 Womersley's Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Womersley's Recent Developments/Updates

9.11.6 Womersley's Competitive Strengths & Weaknesses

9.12 Yuniuxincai

9.12.1 Yuniuxincai Details

9.12.2 Yuniuxincai Major Business

9.12.3 Yuniuxincai Alkali-Resistant Glass Fiber Yarn Product and Services

9.12.4 Yuniuxincai Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Yuniuxincai Recent Developments/Updates

9.12.6 Yuniuxincai Competitive Strengths & Weaknesses

9.13 Saint-Gobain ADFORS

9.13.1 Saint-Gobain ADFORS Details

9.13.2 Saint-Gobain ADFORS Major Business

9.13.3 Saint-Gobain ADFORS Alkali-Resistant Glass Fiber Yarn Product and Services

9.13.4 Saint-Gobain ADFORS Alkali-Resistant Glass Fiber Yarn Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.13.5 Saint-Gobain ADFORS Recent Developments/Updates

9.13.6 Saint-Gobain ADFORS Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

10.1 Alkali-Resistant Glass Fiber Yarn Industry Chain

10.2 Alkali-Resistant Glass Fiber Yarn Upstream Analysis

10.2.1 Alkali-Resistant Glass Fiber Yarn Core Raw Materials

10.2.2 Main Manufacturers of Alkali-Resistant Glass Fiber Yarn Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Alkali-Resistant Glass Fiber Yarn Production Mode

10.6 Alkali-Resistant Glass Fiber Yarn Procurement Model

10.7 Alkali-Resistant Glass Fiber Yarn Industry Sales Model and Sales Channels

10.7.1 Alkali-Resistant Glass Fiber Yarn Sales Model

10.7.2 Alkali-Resistant Glass Fiber Yarn Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Alkali-Resistant Glass Fiber Yarn Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Alkali-Resistant Glass Fiber Yarn Production Value by Region (2021-2026) & (USD Million)

Table 3. World Alkali-Resistant Glass Fiber Yarn Production Value by Region (2027-2032) & (USD Million)

Table 4. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Region (2021-2026)

Table 5. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Region (2027-2032)

Table 6. World Alkali-Resistant Glass Fiber Yarn Production by Region (2021-2026) & (Kilotons)

Table 7. World Alkali-Resistant Glass Fiber Yarn Production by Region (2027-2032) & (Kilotons)

Table 8. World Alkali-Resistant Glass Fiber Yarn Production Market Share by Region (2021-2026)

Table 9. World Alkali-Resistant Glass Fiber Yarn Production Market Share by Region (2027-2032)

Table 10. World Alkali-Resistant Glass Fiber Yarn Average Price by Region (2021-2026) & (US\$/kg)

Table 11. World Alkali-Resistant Glass Fiber Yarn Average Price by Region (2027-2032) & (US\$/kg)

Table 12. Alkali-Resistant Glass Fiber Yarn Major Market Trends

Table 13. World Alkali-Resistant Glass Fiber Yarn Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)

Table 14. World Alkali-Resistant Glass Fiber Yarn Consumption by Region (2021-2026) & (Kilotons)

Table 15. World Alkali-Resistant Glass Fiber Yarn Consumption Forecast by Region (2027-2032) & (Kilotons)

Table 16. World Alkali-Resistant Glass Fiber Yarn Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Alkali-Resistant Glass Fiber Yarn Producers in 2025

Table 18. World Alkali-Resistant Glass Fiber Yarn Production by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Alkali-Resistant Glass Fiber Yarn Producers in 2025

Table 20. World Alkali-Resistant Glass Fiber Yarn Average Price by Manufacturer (2021-2026) & (US\$/kg)

Table 21. Global Alkali-Resistant Glass Fiber Yarn Company Evaluation Quadrant

Table 22. World Alkali-Resistant Glass Fiber Yarn Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Alkali-Resistant Glass Fiber Yarn Production Site of Key Manufacturer

Table 24. Alkali-Resistant Glass Fiber Yarn Market: Company Product Type Footprint

Table 25. Alkali-Resistant Glass Fiber Yarn Market: Company Product Application Footprint

Table 26. Alkali-Resistant Glass Fiber Yarn Competitive Factors

Table 27. Alkali-Resistant Glass Fiber Yarn New Entrant and Capacity Expansion Plans

Table 28. Alkali-Resistant Glass Fiber Yarn Mergers & Acquisitions Activity

Table 29. United States VS China Alkali-Resistant Glass Fiber Yarn Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Alkali-Resistant Glass Fiber Yarn Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Alkali-Resistant Glass Fiber Yarn Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Alkali-Resistant Glass Fiber Yarn Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Market Share (2021-2026)

Table 37. China Based Alkali-Resistant Glass Fiber Yarn Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production, (2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Market Share (2021-2026)

Table 42. Rest of World Based Alkali-Resistant Glass Fiber Yarn Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Market Share (2021-2026)

Table 47. World Alkali-Resistant Glass Fiber Yarn Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Alkali-Resistant Glass Fiber Yarn Production by Type (2021-2026) & (Kilotons)

Table 49. World Alkali-Resistant Glass Fiber Yarn Production by Type (2027-2032) & (Kilotons)

Table 50. World Alkali-Resistant Glass Fiber Yarn Production Value by Type (2021-2026) & (USD Million)

Table 51. World Alkali-Resistant Glass Fiber Yarn Production Value by Type (2027-2032) & (USD Million)

Table 52. World Alkali-Resistant Glass Fiber Yarn Average Price by Type (2021-2026) & (US\$/kg)

Table 53. World Alkali-Resistant Glass Fiber Yarn Average Price by Type (2027-2032) & (US\$/kg)

Table 54. World Alkali-Resistant Glass Fiber Yarn Production Value by ZrO₂ Content, (USD Million), 2021 & 2025 & 2032

Table 55. World Alkali-Resistant Glass Fiber Yarn Production by ZrO₂ Content (2021-2026) & (Kilotons)

Table 56. World Alkali-Resistant Glass Fiber Yarn Production by ZrO₂ Content (2027-2032) & (Kilotons)

Table 57. World Alkali-Resistant Glass Fiber Yarn Production Value by ZrO₂ Content (2021-2026) & (USD Million)

Table 58. World Alkali-Resistant Glass Fiber Yarn Production Value by ZrO₂ Content (2027-2032) & (USD Million)

Table 59. World Alkali-Resistant Glass Fiber Yarn Average Price by ZrO₂ Content (2021-2026) & (US\$/kg)

Table 60. World Alkali-Resistant Glass Fiber Yarn Average Price by ZrO₂ Content

(2027-2032) & (US\$/kg)

Table 61. World Alkali-Resistant Glass Fiber Yarn Production Value by Monofilament Strength, (USD Million), 2021 & 2025 & 2032

Table 62. World Alkali-Resistant Glass Fiber Yarn Production by Monofilament Strength (2021-2026) & (Kilotons)

Table 63. World Alkali-Resistant Glass Fiber Yarn Production by Monofilament Strength (2027-2032) & (Kilotons)

Table 64. World Alkali-Resistant Glass Fiber Yarn Production Value by Monofilament Strength (2021-2026) & (USD Million)

Table 65. World Alkali-Resistant Glass Fiber Yarn Production Value by Monofilament Strength (2027-2032) & (USD Million)

Table 66. World Alkali-Resistant Glass Fiber Yarn Average Price by Monofilament Strength (2021-2026) & (US\$/kg)

Table 67. World Alkali-Resistant Glass Fiber Yarn Average Price by Monofilament Strength (2027-2032) & (US\$/kg)

Table 68. World Alkali-Resistant Glass Fiber Yarn Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Alkali-Resistant Glass Fiber Yarn Production by Application (2021-2026) & (Kilotons)

Table 70. World Alkali-Resistant Glass Fiber Yarn Production by Application (2027-2032) & (Kilotons)

Table 71. World Alkali-Resistant Glass Fiber Yarn Production Value by Application (2021-2026) & (USD Million)

Table 72. World Alkali-Resistant Glass Fiber Yarn Production Value by Application (2027-2032) & (USD Million)

Table 73. World Alkali-Resistant Glass Fiber Yarn Average Price by Application (2021-2026) & (US\$/kg)

Table 74. World Alkali-Resistant Glass Fiber Yarn Average Price by Application (2027-2032) & (US\$/kg)

Table 75. Owens Corning Basic Information, Manufacturing Base and Competitors

Table 76. Owens Corning Major Business

Table 77. Owens Corning Alkali-Resistant Glass Fiber Yarn Product and Services

Table 78. Owens Corning Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Owens Corning Recent Developments/Updates

Table 80. Owens Corning Competitive Strengths & Weaknesses

Table 81. Nippon Electric Glass Basic Information, Manufacturing Base and Competitors

Table 82. Nippon Electric Glass Major Business

Table 83. Nippon Electric Glass Alkali-Resistant Glass Fiber Yarn Product and Services

Table 84. Nippon Electric Glass Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Nippon Electric Glass Recent Developments/Updates

Table 86. Nippon Electric Glass Competitive Strengths & Weaknesses

Table 87. Nycon Basic Information, Manufacturing Base and Competitors

Table 88. Nycon Major Business

Table 89. Nycon Alkali-Resistant Glass Fiber Yarn Product and Services

Table 90. Nycon Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Nycon Recent Developments/Updates

Table 92. Nycon Competitive Strengths & Weaknesses

Table 93. Fibre Technologies International Basic Information, Manufacturing Base and Competitors

Table 94. Fibre Technologies International Major Business

Table 95. Fibre Technologies International Alkali-Resistant Glass Fiber Yarn Product and Services

Table 96. Fibre Technologies International Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Fibre Technologies International Recent Developments/Updates

Table 98. Fibre Technologies International Competitive Strengths & Weaknesses

Table 99. Jushi Group Basic Information, Manufacturing Base and Competitors

Table 100. Jushi Group Major Business

Table 101. Jushi Group Alkali-Resistant Glass Fiber Yarn Product and Services

Table 102. Jushi Group Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Jushi Group Recent Developments/Updates

Table 104. Jushi Group Competitive Strengths & Weaknesses

Table 105. Taishan Fiberglass Basic Information, Manufacturing Base and Competitors

Table 106. Taishan Fiberglass Major Business

Table 107. Taishan Fiberglass Alkali-Resistant Glass Fiber Yarn Product and Services

Table 108. Taishan Fiberglass Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Taishan Fiberglass Recent Developments/Updates

Table 110. Taishan Fiberglass Competitive Strengths & Weaknesses

Table 111. Huierjie Basic Information, Manufacturing Base and Competitors

Table 112. Huierjie Major Business

Table 113. Huierjie Alkali-Resistant Glass Fiber Yarn Product and Services

Table 114. Huierjie Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 115. Huierjie Recent Developments/Updates

Table 116. Huierjie Competitive Strengths & Weaknesses

Table 117. Changshu Jiangnan Fiberglass Basic Information, Manufacturing Base and Competitors

Table 118. Changshu Jiangnan Fiberglass Major Business

Table 119. Changshu Jiangnan Fiberglass Alkali-Resistant Glass Fiber Yarn Product and Services

Table 120. Changshu Jiangnan Fiberglass Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 121. Changshu Jiangnan Fiberglass Recent Developments/Updates

Table 122. Changshu Jiangnan Fiberglass Competitive Strengths & Weaknesses

Table 123. CTech-LLC Basic Information, Manufacturing Base and Competitors

Table 124. CTech-LLC Major Business

Table 125. CTech-LLC Alkali-Resistant Glass Fiber Yarn Product and Services

Table 126. CTech-LLC Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 127. CTech-LLC Recent Developments/Updates

Table 128. CTech-LLC Competitive Strengths & Weaknesses

Table 129. FSD Basic Information, Manufacturing Base and Competitors

Table 130. FSD Major Business

Table 131. FSD Alkali-Resistant Glass Fiber Yarn Product and Services

Table 132. FSD Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 133. FSD Recent Developments/Updates

Table 134. FSD Competitive Strengths & Weaknesses

Table 135. Womersley's Basic Information, Manufacturing Base and Competitors

Table 136. Womersley's Major Business

Table 137. Womersley's Alkali-Resistant Glass Fiber Yarn Product and Services

Table 138. Womersley's Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Womersley's Recent Developments/Updates

Table 140. Womersley's Competitive Strengths & Weaknesses

Table 141. Yuniuxincai Basic Information, Manufacturing Base and Competitors

Table 142. Yuniuxincai Major Business

Table 143. Yuniuxincai Alkali-Resistant Glass Fiber Yarn Product and Services
Table 144. Yuniuxincai Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 145. Yuniuxincai Recent Developments/Updates
Table 146. Yuniuxincai Competitive Strengths & Weaknesses
Table 147. Saint-Gobain ADFORS Basic Information, Manufacturing Base and Competitors
Table 148. Saint-Gobain ADFORS Major Business
Table 149. Saint-Gobain ADFORS Alkali-Resistant Glass Fiber Yarn Product and Services
Table 150. Saint-Gobain ADFORS Alkali-Resistant Glass Fiber Yarn Production (Kilotons), Price (US\$/kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 151. Saint-Gobain ADFORS Recent Developments/Updates
Table 152. Saint-Gobain ADFORS Competitive Strengths & Weaknesses
Table 153. Global Key Players of Alkali-Resistant Glass Fiber Yarn Upstream (Raw Materials)
Table 154. Global Alkali-Resistant Glass Fiber Yarn Typical Customers
Table 155. Alkali-Resistant Glass Fiber Yarn Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Alkali-Resistant Glass Fiber Yarn Picture

Figure 2. World Alkali-Resistant Glass Fiber Yarn Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Alkali-Resistant Glass Fiber Yarn Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Alkali-Resistant Glass Fiber Yarn Production (2021-2032) & (Kilotons)

Figure 5. World Alkali-Resistant Glass Fiber Yarn Average Price (2021-2032) & (US\$/kg)

Figure 6. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Region (2021-2032)

Figure 7. World Alkali-Resistant Glass Fiber Yarn Production Market Share by Region (2021-2032)

Figure 8. North America Alkali-Resistant Glass Fiber Yarn Production (2021-2032) & (Kilotons)

Figure 9. Europe Alkali-Resistant Glass Fiber Yarn Production (2021-2032) & (Kilotons)

Figure 10. China Alkali-Resistant Glass Fiber Yarn Production (2021-2032) & (Kilotons)

Figure 11. Japan Alkali-Resistant Glass Fiber Yarn Production (2021-2032) & (Kilotons)

Figure 12. India Alkali-Resistant Glass Fiber Yarn Production (2021-2032) & (Kilotons)

Figure 13. Southeast Asia Alkali-Resistant Glass Fiber Yarn Production (2021-2032) & (Kilotons)

Figure 14. Alkali-Resistant Glass Fiber Yarn Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) & (Kilotons)

Figure 17. World Alkali-Resistant Glass Fiber Yarn Consumption Market Share by Region (2021-2032)

Figure 18. United States Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) & (Kilotons)

Figure 19. China Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) & (Kilotons)

Figure 20. Europe Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) & (Kilotons)

Figure 21. Japan Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) & (Kilotons)

Figure 22. South Korea Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) &

(Kilotons)

Figure 23. ASEAN Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) & (Kilotons)

Figure 24. India Alkali-Resistant Glass Fiber Yarn Consumption (2021-2032) & (Kilotons)

Figure 25. Producer Shipments of Alkali-Resistant Glass Fiber Yarn by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Alkali-Resistant Glass Fiber Yarn Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Alkali-Resistant Glass Fiber Yarn Markets in 2025

Figure 28. United States VS China: Alkali-Resistant Glass Fiber Yarn Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Alkali-Resistant Glass Fiber Yarn Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Alkali-Resistant Glass Fiber Yarn Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Market Share 2025

Figure 32. China Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Alkali-Resistant Glass Fiber Yarn Production Market Share 2025

Figure 34. World Alkali-Resistant Glass Fiber Yarn Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Type in 2025

Figure 36. Ply Yarn

Figure 37. Straight Winding Yarn

Figure 38. World Alkali-Resistant Glass Fiber Yarn Production Market Share by Type (2021-2032)

Figure 39. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Type (2021-2032)

Figure 40. World Alkali-Resistant Glass Fiber Yarn Average Price by Type (2021-2032) & (US\$/kg)

Figure 41. World Alkali-Resistant Glass Fiber Yarn Production Value by ZrO₂ Content, (USD Million), 2021 & 2025 & 2032

Figure 42. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by ZrO₂ Content in 2025

Figure 43. 14.5%

Figure 44. 16.7%

Figure 45. World Alkali-Resistant Glass Fiber Yarn Production Market Share by ZrO₂ Content (2021-2032)

Figure 46. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by ZrO₂ Content (2021-2032)

Figure 47. World Alkali-Resistant Glass Fiber Yarn Average Price by ZrO₂ Content (2021-2032) & (US\$/kg)

Figure 48. World Alkali-Resistant Glass Fiber Yarn Production Value by Monofilament Strength, (USD Million), 2021 & 2025 & 2032

Figure 49. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Monofilament Strength in 2025

Figure 50. 0.25-0.3N/tex

Figure 51. 0.3-0.4N/tex

Figure 52. World Alkali-Resistant Glass Fiber Yarn Production Market Share by Monofilament Strength (2021-2032)

Figure 53. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Monofilament Strength (2021-2032)

Figure 54. World Alkali-Resistant Glass Fiber Yarn Average Price by Monofilament Strength (2021-2032) & (US\$/kg)

Figure 55. World Alkali-Resistant Glass Fiber Yarn Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Application in 2025

Figure 57. GRC Products

Figure 58. Exterior Wall Insulation

Figure 59. Industrial Corrosion Protection

Figure 60. Others

Figure 61. World Alkali-Resistant Glass Fiber Yarn Production Market Share by Application (2021-2032)

Figure 62. World Alkali-Resistant Glass Fiber Yarn Production Value Market Share by Application (2021-2032)

Figure 63. World Alkali-Resistant Glass Fiber Yarn Average Price by Application (2021-2032) & (US\$/kg)

Figure 64. Alkali-Resistant Glass Fiber Yarn Industry Chain

Figure 65. Alkali-Resistant Glass Fiber Yarn Procurement Model

Figure 66. Alkali-Resistant Glass Fiber Yarn Sales Model

Figure 67. Alkali-Resistant Glass Fiber Yarn Sales Channels, Direct Sales, and Distribution

Figure 68. Methodology

Figure 69. Research Process and Data Source

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