

Asia-Pacific Continuous Basalt Fiber Market By Application (Construction & Infrastructure, Automotive & Transportation, Aerospace & Electronics, Marine & Wind Energy), By Product Type (Basalt Fiber Roving, Basalt Fiber Yarn & Fabric, Basalt Fiber Composite), By Form (Continuous Fiber, Chopped Fiber and Woven Fabric), By Country, Competition, Forecast and Opportunities, 2020-2030F

<https://marketpublishers.com/r/AE45BF9580AEEN.html>

Date: May 2025

Pages: 120

Price: US\$ 4,000.00 (Single User License)

ID: AE45BF9580AEEN

Abstracts

Market Overview

The Asia-Pacific Continuous Basalt Fiber Market was valued at USD 95.88 million in 2024 and is projected to reach USD 182.03 million by 2030, growing at a CAGR of 11.11% during the forecast period. The market is gaining momentum due to rising demand for high-performance and eco-friendly materials across industries such as construction, automotive, aerospace, and energy. Continuous basalt fiber, produced from volcanic rock, offers superior thermal resistance, durability, and chemical stability, making it a preferred alternative to conventional fibers like fiberglass and carbon fiber. With increasing infrastructure projects and urban development in key countries such as China and India, the demand for cost-effective and long-lasting materials is on the rise. Additionally, the push toward sustainability and energy efficiency is further enhancing the appeal of basalt fiber in renewable energy applications, such as wind turbine blades and solar panel structures.

Key Market Drivers

Growing Demand from the Construction Industry

The expanding construction sector across the Asia-Pacific region is a significant factor propelling demand for continuous basalt fiber. With rapid urbanization and infrastructure growth in countries like China and India, there is an increasing need for building materials that offer strength, durability, and resistance to corrosion and extreme conditions. Continuous basalt fiber is being widely adopted in construction applications such as bridges, roads, and buildings, where its high strength-to-weight ratio and resistance to environmental degradation provide structural longevity. In India, public and private investments in housing and infrastructure have surged over 50% in recent years, driving heightened usage of advanced materials like basalt fiber for enhanced performance and sustainability.

Key Market Challenges

High Production Costs

The relatively high cost of production remains a key obstacle to broader adoption of continuous basalt fiber in the Asia-Pacific market. The process of extracting and converting volcanic rock into fiber is capital- and energy-intensive, requiring specialized machinery and high-temperature furnaces. These factors contribute to higher manufacturing expenses compared to conventional materials such as fiberglass. In cost-sensitive sectors like construction and automotive, this price differential can hinder widespread usage. Additionally, inconsistent raw material pricing and energy costs across the region further elevate production challenges. Until cost-efficiency improves through technological innovation or economies of scale, pricing will remain a barrier for some applications.

Key Market Trends

Increased Investment in Research and Development

An emerging trend in the Asia-Pacific continuous basalt fiber market is growing investment in research and development aimed at enhancing product performance and lowering production costs. Manufacturers are focusing on improving fiber strength, flexibility, and chemical resistance to meet the evolving demands of high-tech sectors such as aerospace, defense, and renewable energy. Innovations are also being pursued to streamline production processes, making basalt fiber more competitive with traditional alternatives. These R&D initiatives are expanding the fiber's

applicability to new end-use markets while also promoting product customization for specific industrial needs, such as wind turbine blade reinforcement and automotive components.

Key Market Players

Kamenny Vek

Mafic SA

Technobasalt-Invest LLC

Basaltex NV

Sudaglass Fiber Technology

Zhejiang GBF Basalt Fiber Co., Ltd.

Shanxi Basalt Fiber Technology Co., Ltd.

Jilin Tongxin Basalt Technology Co., Ltd.

Fiberbas Construction and Building Technologies

Armbasalt CJSC

Report Scope:

In this report, the Asia-Pacific Continuous Basalt Fiber Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Asia-Pacific Continuous Basalt Fiber Market, By Application:

Construction & Infrastructure

Automotive & Transportation

Aerospace & Electronics

Marine & Wind Energy

Asia-Pacific Continuous Basalt Fiber Market, By Product Type:

Basalt Fiber Roving

Basalt Fiber Yarn & Fabric

Basalt Fiber Composite

Asia-Pacific Continuous Basalt Fiber Market, By Form:

Continuous Fiber

Chopped Fiber

Woven Fabric

Asia-Pacific Continuous Basalt Fiber Market, By Country:

China

Japan

India

South Korea

Australia

Singapore

Thailand

Malaysia

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Asia-Pacific Continuous Basalt Fiber Market.

Available Customizations:

Asia-Pacific Continuous Basalt Fiber Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, and Trends

4. VOICE OF CUSTOMER

5. ASIA-PACIFIC CONTINUOUS BASALT FIBER MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Application (Construction & Infrastructure, Automotive & Transportation, Aerospace & Electronics, Marine & Wind Energy)
 - 5.2.2. By Product Type (Basalt Fiber Roving, Basalt Fiber Yarn & Fabric, Basalt Fiber Composite)

5.2.3. By Form (Continuous Fiber, Chopped Fiber and Woven Fabric)

5.2.4. By Country (China, Japan, India, South Korea, Australia, Singapore, Thailand, Malaysia, Rest of Asia-Pacific)

5.3. By Company (2024)

5.4. Market Map

6. CHINA CONTINUOUS BASALT FIBER MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Application

6.2.2. By Product Type

6.2.3. By Form

7. JAPAN CONTINUOUS BASALT FIBER MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Application

7.2.2. By Product Type

7.2.3. By Form

8. INDIA CONTINUOUS BASALT FIBER MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Application

8.2.2. By Product Type

8.2.3. By Form

9. SOUTH KOREA CONTINUOUS BASALT FIBER MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Application

9.2.2. By Product Type

9.2.3. By Form

10. AUSTRALIA CONTINUOUS BASALT FIBER MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Application

10.2.2. By Product Type

10.2.3. By Form

11. SINGAPORE CONTINUOUS BASALT FIBER MARKET OUTLOOK

11.1. Market Size & Forecast

11.1.1. By Value

11.2. Market Share & Forecast

11.2.1. By Application

11.2.2. By Product Type

11.2.3. By Form

12. THAILAND CONTINUOUS BASALT FIBER MARKET OUTLOOK

12.1. Market Size & Forecast

12.1.1. By Value

12.2. Market Share & Forecast

12.2.1. By Application

12.2.2. By Product Type

12.2.3. By Form

13. MALAYSIA CONTINUOUS BASALT FIBER MARKET OUTLOOK

13.1. Market Size & Forecast

13.1.1. By Value

13.2. Market Share & Forecast

13.2.1. By Application

13.2.2. By Product Type

13.2.3. By Form

14. MARKET DYNAMICS

14.1. Drivers

14.2. Challenges

15. MARKET TRENDS AND DEVELOPMENTS

15.1. Merger & Acquisition (If Any)

15.2. Product Launches (If Any)

15.3. Recent Developments

16. COMPANY PROFILES

16.1. Kamenny Vek

16.1.1. Business Overview

16.1.2. Key Revenue and Financials

16.1.3. Recent Developments

16.1.4. Key Personnel

16.1.5. Key Product/Services Offered

16.2. Mafic SA

16.3. Technobasalt-Invest LLC

16.4. Basaltex NV

16.5. Sudaglass Fiber Technology

16.6. Zhejiang GBF Basalt Fiber Co., Ltd.

16.7. Shanxi Basalt Fiber Technology Co., Ltd.

16.8. Jilin Tongxin Basalt Technology Co., Ltd.

16.9. Fiberbas Construction and Building Technologies

16.10. Armbasalt CJSC

17. STRATEGIC RECOMMENDATIONS

18. ABOUT US & DISCLAIMER

I would like to order

Product name: Asia-Pacific Continuous Basalt Fiber Market By Application (Construction & Infrastructure, Automotive & Transportation, Aerospace & Electronics, Marine & Wind Energy), By Product Type (Basalt Fiber Roving, Basalt Fiber Yarn & Fabric, Basalt Fiber Composite), By Form (Continuous Fiber, Chopped Fiber and Woven Fabric), By Country, Competition, Forecast and Opportunities, 2020-2030F

Product link: <https://marketpublishers.com/r/AE45BF9580AEEN.html>

Price: US\$ 4,000.00 (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/AE45BF9580AEEN.html>