

Asia Pacific 3D Woven Fabrics Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Type (Solid, Hollow, Shell, and Nodal), Fiber Type (Carbon Fiber, Glass Fiber, and Others), and Application (Ballistics, Aircraft, Transportation, Building and Construction, and Others)

<https://marketpublishers.com/r/A8FEC27C660FEN.html>

Date: May 2023

Pages: 98

Price: US\$ 3,000.00 (Single User License)

ID: A8FEC27C660FEN

Abstracts

The Asia Pacific 3D woven fabrics market is expected to grow from US\$ 30.96 million in 2022 to US\$ 66.59 million by 2028. It is estimated to grow at a CAGR of 13.6% from 2022 to 2028.

Applications of 3D Woven Fabrics in Sporting Goods Applications Fuels Asia Pacific 3D Woven Fabrics Market

Sports goods' manufacturers are focused on innovative materials development and structural design engineering of hockey sticks, badminton and tennis racquets, golf clubs, skis, and other sporting goods. Natural fiber-reinforced composite materials have several properties such as lightweight, high strength, design flexibility, and easy processing and forming characteristics. Therefore, they have a broad range of applications in the sporting goods industry. Green carbon fiber' manufacturers produce lightweight products for several sports applications. Composite material designed and developed for outdoor gear is expected to have properties such as high strength and lightweight and meet customer safety regulations.

Shell fiber composites have inherent dampening properties and vibration control that make them an optimum choice of material for sports products used in skiing, biking, tennis, golf, paddling, and badminton. In 2022, Babolat partnered with Eco-Technilin to

develop flax fiber reinforced composites for application in high-performance sport goods. The flax fibers were incorporated into the structure of a tennis racquet range of Pure Aero racquets to offer vibration-reducing performance. In 2022, Hexcel Corporation launched HexPly Nature range of 3D Woven Fabrics made from natural fiber reinforcement and bio-derived resin suitable for winter sports applications. Therefore, the utilization of various 3D Woven Fabrics in sporting goods applications, owing to biodegradability and high-performance properties, is expected to create lucrative opportunities for the Asia Pacific 3D woven fabrics market during the forecast period.

Asia Pacific 3D Woven Fabrics Market Overview

Asia Pacific marks the presence of several 3D woven fabric manufacturers, namely Changzhou Top weaving New Material Tech Co Ltd, China Beihai Fiberglass Co Ltd, and Bolong Three-Dimensional Composites Co Ltd. The extensive presence of 3D woven fabrics manufacturers and suppliers in the region is attributed to the rising demand for 3D woven fabric produced from fiberglass, carbon fiber, and basalt fiber in automotive, aerospace, marine, wind power, and building & construction sectors. The rise in utilization of 3D woven fabrics for panel, door, flooring, and roofing applications is attributed to its properties such as lightweight, thermal and sound insulation, fire retardance, and delamination resistance.

Asia Pacific 3D Woven Fabrics Market Revenue and Forecast to 2028 (US\$ Million)

Asia Pacific 3D Woven Fabrics Market Segmentation

The Asia Pacific 3D woven fabrics market is segmented into type, fiber type, application, and country.

Based on type, the Asia Pacific 3D woven fabrics market is segmented into solid, hollow, shell, and nodal. The solid segment held the largest share of the Asia Pacific 3D woven fabrics market in 2022.

Based on fiber type, the Asia Pacific 3D woven fabrics market is segmented into carbon fiber, glass fiber, and others. The carbon fiber segment held the largest share of the Asia Pacific 3D woven fabrics market in 2022.

Based on application, the Asia Pacific 3D woven fabrics market is segmented into ballistics, aircraft, transportation, building and construction, and others. The aircraft

segment held a larger share of the Asia Pacific 3D woven fabrics market in 2022.

Based on country, the Asia Pacific 3D woven fabrics market is segmented into China, India, and Rest of Asia Pacific. The China dominated the share of the Asia Pacific 3D woven fabrics market in 2022.

Changzhou Bolong Three Dimensional Composites Co Ltd; China Beihai Fiberglass Co Ltd; Sigmatex Ltd; Tantra Composite Technologies Pvt Ltd; TEAM Inc; Tex Tech Industries Inc; Topweaving New Material Tech Co Ltd; and U-Long High Tech Textile Co Ltd are the leading companies operating in the Asia Pacific 3D woven fabrics market.

Contents

1. INTRODUCTION

- 1.1 Study Scope
- 1.2 The Insight Partners Research Report Guidance
- 1.3 Market Segmentation
 - 1.3.1 Asia Pacific 3D Woven Fabrics Market, by Type
 - 1.3.2 Asia Pacific 3D Woven Fabrics Market, by Fiber Type
 - 1.3.3 Asia Pacific 3D Woven Fabrics Market, by Application
 - 1.3.4 Asia Pacific 3D Woven Fabrics Market, by Country

2. KEY TAKEAWAYS

3. RESEARCH METHODOLOGY

- 3.1 Scope of the Study
- 3.2 Research Methodology
 - 3.2.1 Data Collection:
 - 3.2.2 Primary Interviews:
 - 3.2.3 Hypothesis formulation:
 - 3.2.4 Macro-economic factor analysis:
 - 3.2.5 Developing base number:
 - 3.2.6 Data Triangulation:
 - 3.2.7 Country level data:

4. ASIA PACIFIC 3D WOVEN FABRICS MARKET LANDSCAPE

- 4.1 Market Overview
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Threat of New Entrants:
 - 4.2.2 Bargaining Power of Buyers:
 - 4.2.3 Bargaining Power of Suppliers:
 - 4.2.4 Intensity of Competitive Rivalry:
 - 4.2.5 Threat of Substitutes:
- 4.3 Ecosystem Analysis
 - 4.3.1 Raw Material Suppliers:
 - 4.3.2 Manufacturers:

- 4.3.3 Distributors or Suppliers:
- 4.3.4 End-Use Industries
- 4.4 Expert Opinion

5. ASIA PACIFIC 3D WOVEN FABRICS MARKET – KEY MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Demand for 3D Woven Fabrics from Aircraft Industry
 - 5.1.2 Growing Focus on Eco-Friendly and Sustainable Products
- 5.2 Market Restraints
 - 5.2.1 Hygroscopicity of 3D Woven Fabrics
- 5.3 Market Opportunities
 - 5.3.1 Applications of 3D Woven Fabrics in Sporting Goods Applications
- 5.4 Future Trends
 - 5.4.1 Development of Natural/Synthetic Fiber-Based Hybrid Composites
- 5.5 Impact Analysis

6. 3D WOVEN FABRICS –ASIA PACIFIC MARKET ANALYSIS

- 6.1 Asia Pacific 3D Woven Fabrics Market Overview
- 6.2 Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

7. ASIA PACIFIC 3D WOVEN FABRICS MARKET ANALYSIS – BY TYPE

- 7.1 Overview
- 7.2 Asia Pacific 3D Woven Fabrics Market, By Type (2021 and 2028)
 - 7.3 Solid
 - 7.3.1 Overview
 - 7.3.2 Solid: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)
 - 7.4 Hollow
 - 7.4.1 Overview
 - 7.4.2 Hollow: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)
 - 7.5 Shell
 - 7.5.1 Overview
 - 7.5.2 Shell: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

7.6 Nodal

7.6.1 Overview

7.6.2 Nodal: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

8. ASIA PACIFIC 3D WOVEN FABRICS MARKET ANALYSIS – BY FIBER TYPE

8.1 Overview

8.2 Asia Pacific 3D Woven Fabrics Market, By Fiber Type (2021 and 2028)

8.3 Carbon Fiber

8.3.1 Overview

8.3.2 Carbon Fiber: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

8.4 Glass Fiber

8.4.1 Overview

8.4.2 Glass Fiber: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

8.5 Others

8.5.1 Overview

8.5.2 Others: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

9. ASIA PACIFIC 3D WOVEN FABRICS MARKET ANALYSIS – BY APPLICATION

9.1 Overview

9.2 Asia Pacific 3D Woven Fabrics Market, By Application (2021 and 2028)

9.3 Ballistics

9.3.1 Overview

9.3.2 Ballistics: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

9.4 Aircraft

9.4.1 Overview

9.4.2 Aircraft: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

9.5 Transportation

9.5.1 Overview

9.5.2 Transportation: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

9.6 Building and Construction

9.6.1 Overview

9.6.2 Building and Construction: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

9.7 Others

9.7.1 Overview

9.7.2 Others: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

10. ASIA PACIFIC 3D WOVEN FABRICS MARKET – COUNTRY ANALYSIS

10.1 Overview

10.1.1 Asia Pacific 3D Woven Fabrics Market, by Key Country

10.1.1.1 China: Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

10.1.1.1.1 China: Asia Pacific 3D Woven Fabrics Market, by Type

10.1.1.1.2 China: Asia Pacific 3D Woven Fabrics Market, by Fiber Type

10.1.1.1.3 China: Asia Pacific 3D Woven Fabrics Market, by Application

10.1.1.2 India: Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

10.1.1.2.1 India: Asia Pacific 3D Woven Fabrics Market, by Type

10.1.1.2.2 India: Asia Pacific 3D Woven Fabrics Market, by Fiber Type

10.1.1.2.3 India: Asia Pacific 3D Woven Fabrics Market, by Application

10.1.1.3 Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

10.1.1.3.1 Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market, by Type

10.1.1.3.2 Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market, by Fiber Type

10.1.1.3.3 Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market, by Application

11. INDUSTRY LANDSCAPE

11.1 Product launch

11.2 Expansion

12. COMPANY PROFILES

12.1 Tex Tech Industries Inc

12.1.1 Key Facts

12.1.2 Business Description

12.1.3 Products and Services

- 12.1.4 Financial Overview
- 12.1.5 SWOT Analysis
- 12.1.6 Key Developments
- 12.2 Sigmatex (UK) Ltd
 - 12.2.1 Key Facts
 - 12.2.2 Business Description
 - 12.2.3 Products and Services
 - 12.2.4 Financial Overview
 - 12.2.5 SWOT Analysis
 - 12.2.6 Key Developments
- 12.3 Tantra Composite Technologies Pvt Ltd
 - 12.3.1 Key Facts
 - 12.3.2 Business Description
 - 12.3.3 Products and Services
 - 12.3.4 Financial Overview
 - 12.3.5 SWOT Analysis
 - 12.3.6 Key Developments
- 12.4 U-Long High-Tech Textile Co Ltd
 - 12.4.1 Key Facts
 - 12.4.2 Business Description
 - 12.4.3 Products and Services
 - 12.4.4 Financial Overview
 - 12.4.5 SWOT Analysis
 - 12.4.6 Key Developments
- 12.5 TEAM Inc
 - 12.5.1 Key Facts
 - 12.5.2 Business Description
 - 12.5.3 Products and Services
 - 12.5.4 Financial Overview
 - 12.5.5 SWOT Analysis
 - 12.5.6 Key Developments
- 12.6 Changzhou Bolong Three Dimensional Composites Co Ltd
 - 12.6.1 Key Facts
 - 12.6.2 Business Description
 - 12.6.3 Products and Services
 - 12.6.4 Financial Overview
 - 12.6.5 SWOT Analysis
 - 12.6.6 Key Developments
- 12.7 Topweaving New Material Tech Co Ltd

- 12.7.1 Key Facts
- 12.7.2 Business Description
- 12.7.3 Products and Services
- 12.7.4 Financial Overview
- 12.7.5 SWOT Analysis
- 12.7.6 Key Developments
- 12.8 China Beihai Fiberglass Co Ltd
- 12.8.1 Key Facts
- 12.8.2 Business Description
- 12.8.3 Products and Services
- 12.8.4 Financial Overview
- 12.8.5 SWOT Analysis
- 12.8.6 Key Developments

13. APPENDIX

- 13.1 About The Insight Partners
- 13.2 Glossary of Terms

List Of Tables

LIST OF TABLES

Table 1. Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

Table 2. China: Asia Pacific 3D Woven Fabrics Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 3. China: Asia Pacific 3D Woven Fabrics Market, by Fiber Type – Revenue and Forecast to 2028 (US\$ Million)

Table 4. China: Asia Pacific 3D Woven Fabrics Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 5. India: Asia Pacific 3D Woven Fabrics Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 6. India: Asia Pacific 3D Woven Fabrics Market, by Fiber Type – Revenue and Forecast to 2028 (US\$ Million)

Table 7. India: Asia Pacific 3D Woven Fabrics Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 8. Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market, by Type – Revenue and Forecast to 2028 (US\$ Million)

Table 9. Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market, by Fiber Type – Revenue and Forecast to 2028 (US\$ Million)

Table 10. Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market, by Application – Revenue and Forecast to 2028 (US\$ Million)

Table 11. Glossary of Terms, 3D Woven Fabric Market

List Of Figures

LIST OF FIGURES

Figure 1. Asia Pacific 3D Woven Fabrics Market Segmentation

Figure 2. Asia Pacific 3D Woven Fabrics Market Segmentation – By Country

Figure 3. Asia Pacific 3D Woven Fabrics Market Overview

Figure 4. Asia Pacific 3D Woven Fabrics Market, By Type

Figure 5. Asia Pacific 3D Woven Fabrics Market, by Country

Figure 6. Porter's Five Forces Analysis

Figure 7. Ecosystem: Asia Pacific 3D Woven Fabrics Market

Figure 8. Expert Opinion

Figure 9. Asia Pacific 3D Woven Fabrics Market Impact Analysis of Drivers and Restraints

Figure 10. Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast to 2028 (US\$ Million)

Figure 11. Asia Pacific 3D Woven Fabrics Market Revenue Share, by Type (2021 and 2028)

Figure 12. Solid: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 13. Hollow: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 14. Shell: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 15. Nodal: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 16. Asia Pacific 3D Woven Fabrics Market Revenue Share, by Fiber Type (2021 and 2028)

Figure 17. Carbon Fiber: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 18. Glass Fiber: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 19. Others: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 20. Asia Pacific 3D Woven Fabrics Market Revenue Share, by Application (2021 and 2028)

Figure 21. Ballistics: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 22. Aircraft: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To

2028 (US\$ Million)

Figure 23. Transportation: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 24. Building and Construction: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 25. Others: Asia Pacific 3D Woven Fabrics Market – Revenue and Forecast To 2028 (US\$ Million)

Figure 26. Asia Pacific 3D Woven Fabrics Market, by Key Country– Revenue (2021) (US\$ Million)

Figure 27. Asia Pacific 3D Woven Fabrics Market Revenue Share, by Key Country (2021 and 2028)

Figure 28. China: Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

Figure 29. India: Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

Figure 30. Rest of Asia Pacific: Asia Pacific 3D Woven Fabrics Market –Revenue and Forecast to 2028 (US\$ Million)

I would like to order

Product name: Asia Pacific 3D Woven Fabrics Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Type (Solid, Hollow, Shell, and Nodal), Fiber Type (Carbon Fiber, Glass Fiber, and Others), and Application (Ballistics, Aircraft, Transportation, Building and Construction, and Others)

Product link: <https://marketpublishers.com/r/A8FEC27C660FEN.html>

Price: US\$ 3,000.00 (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/A8FEC27C660FEN.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