

Hybrid Fabrics Market by Fiber Type (Glass/Carbon, Carbon/UHMWPE, Glass/Aramid, Carbon/Aramid, and Others), Form (Composite, Non-composite), End Use Industry (Automotive and Aerospace, Industrial, Marine and Defense, Sports Equipment, and Others), and Region 2024-2032

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Abstracts

The global hybrid fabrics market size reached US\$ 284.4 Million in 2023. Looking forward, IMARC Group expects the market to reach US\$ 531.8 Million by 2032, exhibiting a growth rate (CAGR) of 7% during 2024-2032.

Hybrid fabric is made with more than one type of structural fiber. Hybrid fabrics are woven from different fibers, such as a combination of carbon fibers and aramid yarns in varying proportions, usually consisting of reinforced fiber spun yarns and thermoplastic. In addition to having their own characteristics, different types of fibers complement each other. Multilayered laminates can fulfill requirements when more than one fiber quality is required from one fabric by using two distinct textiles. The main characteristics that distinguish hybrid fabrics from other fabrics are their technical functions, such as high strength and durability, as well as excellent heat, flame, and chemical resistance. Apart from this, they have the ability to reduce product weight and improve toughness, thus resulting in extensive utilization in diverse applications across the wind energy, aerospace and defense, and sports industries.

Hybrid Fabrics Market Trends:

The market is majorly driven by the augmenting demand for hybrid textiles in the automotive and transportation industries. This can be attributed to the rapid product utilization in various interior and exterior applications in automobile manufacturing.

Moreover, the increasing adoption of lightweight fabrics in the production of aircraft components, such as turbine blades, to improve fuel efficiency and speed are creating various growth opportunities in the market. Stringent government regulations restricting the use of synthetic fabrics and encouraging natural fiber applications are further resulting in a higher demand for hybrid fabrics. Some of the other factors providing an impetus to the market growth include rapid urbanization and industrialization, the growing sales of sportswear and athleisure, inflating disposable income levels of the masses, easy product availability via online and offline organized retail channels and extensive research and development (R&D) activities.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global hybrid fabrics market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on fiber type, form and end use industry.

Breakup by Fiber Type:

- Glass/Carbon
- Carbon/UHMWPE
- Glass/Aramid
- Carbon/Aramid
- Others

Breakup by Form:

- Composite
- Non-composite

Breakup by End Use Industry:

- Automotive and Aerospace
- Industrial
- Marine and Defense
- Sports Equipment
- Others

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BGF Industries Inc., FTS S.p.A., HALARIT Composites GmbH, Haufler Composites GmbH and Co. KG, Isomatex SA, Koninklijke DSM N.V., Kordcarbon a.s., Kordsa Teknik Tekstil A.S., Porcher Industries SA and SGL Carbon SE. Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report.

Key Questions Answered in This Report

1. What was the size of the global hybrid fabrics market in 2023?
2. What is the expected growth rate of the global hybrid fabrics market during 2024-2032?
3. What are the key factors driving the global hybrid fabrics market?

4. What has been the impact of COVID-19 on the global hybrid fabrics market?
5. What is the breakup of the global hybrid fabrics market based on the fiber type?
6. What is the breakup of the global hybrid fabrics market based on the form?
7. What is the breakup of the global hybrid fabrics market based on the end use industry?
8. What are the key regions in the global hybrid fabrics market?
9. Who are the key players/companies in the global hybrid fabrics market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL HYBRID FABRICS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY FIBER TYPE

- 6.1 Glass/Carbon
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Carbon/UHMWPE
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Glass/Aramid

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 Carbon/Aramid
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY FORM

- 7.1 Composite
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Non-composite
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY END USE INDUSTRY

- 8.1 Automotive and Aerospace
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Industrial
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Marine and Defense
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Sports Equipment
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America

- 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
- 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy

- 9.3.4.1 Market Trends
- 9.3.4.2 Market Forecast
- 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview

- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 BGF Industries Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.2 FTS S.p.A.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 HALARIT Composites GmbH
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.4 Haufler Composites GmbH and Co. KG
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.5 Isomatex SA
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.6 Koninklijke DSM N.V.
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.6.3 Financials
 - 14.3.6.4 SWOT Analysis
 - 14.3.7 Kordcarbon a.s.
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.8 Kordsa Teknik Tekstil A.S.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio

14.3.8.3 Financials

14.3.9 Porcher Industries SA

14.3.9.1 Company Overview

14.3.9.2 Product Portfolio

14.3.10 SGL Carbon SE

14.3.10.1 Company Overview

14.3.10.2 Product Portfolio

14.3.10.3 Financials

14.3.10.4 SWOT Analysis

Kindly, note that this only represents a partial list of companies, and the complete list has been provided in the report

List Of Tables

LIST OF TABLES

Table 1: Global: Hybrid Fabrics Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Hybrid Fabrics Market Forecast: Breakup by Fiber Type (in Million US\$), 2024-2032

Table 3: Global: Hybrid Fabrics Market Forecast: Breakup by Form (in Million US\$), 2024-2032

Table 4: Global: Hybrid Fabrics Market Forecast: Breakup by End Use Industry (in Million US\$), 2024-2032

Table 5: Global: Hybrid Fabrics Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Hybrid Fabrics Market: Competitive Structure

Table 7: Global: Hybrid Fabrics Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: Hybrid Fabrics Market: Major Drivers and Challenges

Figure 2: Global: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018-2023

Figure 3: Global: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 4: Global: Hybrid Fabrics Market: Breakup by Fiber Type (in %), 2023

Figure 5: Global: Hybrid Fabrics Market: Breakup by Form (in %), 2023

Figure 6: Global: Hybrid Fabrics Market: Breakup by End Use Industry (in %), 2023

Figure 7: Global: Hybrid Fabrics Market: Breakup by Region (in %), 2023

Figure 8: Global: Hybrid Fabrics (Glass/Carbon) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Hybrid Fabrics (Glass/Carbon) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Hybrid Fabrics (Carbon/UHMWPE) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Hybrid Fabrics (Carbon/UHMWPE) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Hybrid Fabrics (Glass/Aramid) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Hybrid Fabrics (Glass/Aramid) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Hybrid Fabrics (Carbon/Aramid) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Hybrid Fabrics (Carbon/Aramid) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Hybrid Fabrics (Other Fiber Types) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Hybrid Fabrics (Other Fiber Types) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Hybrid Fabrics (Composite) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Hybrid Fabrics (Composite) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Hybrid Fabrics (Non-composite) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Hybrid Fabrics (Non-composite) Market Forecast: Sales Value (in

Million US\$), 2024-2032

Figure 22: Global: Hybrid Fabrics (Automotive and Aerospace) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Hybrid Fabrics (Automotive and Aerospace) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Hybrid Fabrics (Industrial) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Hybrid Fabrics (Industrial) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Hybrid Fabrics (Marine and Defense) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Hybrid Fabrics (Marine and Defense) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: Hybrid Fabrics (Sports Equipment) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: Hybrid Fabrics (Sports Equipment) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: Global: Hybrid Fabrics (Other End Use Industries) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: Global: Hybrid Fabrics (Other End Use Industries) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: North America: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: North America: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: United States: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: United States: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Canada: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Canada: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: Asia-Pacific: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: Asia-Pacific: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 40: China: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: China: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: Japan: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: Japan: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 44: India: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: India: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 46: South Korea: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 &
2023

Figure 47: South Korea: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 48: Australia: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Australia: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 50: Indonesia: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Indonesia: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 52: Others: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Others: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 54: Europe: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: Europe: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 56: Germany: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: Germany: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 58: France: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 59: France: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 60: United Kingdom: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 &
2023

Figure 61: United Kingdom: Hybrid Fabrics Market Forecast: Sales Value (in Million
US\$), 2024-2032

Figure 62: Italy: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Italy: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 64: Spain: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Spain: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$),
2024-2032

Figure 66: Russia: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Russia: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Others: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Others: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Latin America: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Latin America: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Brazil: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Brazil: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Mexico: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Mexico: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Others: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 77: Others: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 78: Middle East and Africa: Hybrid Fabrics Market: Sales Value (in Million US\$), 2018 & 2023

Figure 79: Middle East and Africa: Hybrid Fabrics Market: Breakup by Country (in %), 2023

Figure 80: Middle East and Africa: Hybrid Fabrics Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 81: Global: Hybrid Fabrics Industry: SWOT Analysis

Figure 82: Global: Hybrid Fabrics Industry: Value Chain Analysis

Figure 83: Global: Hybrid Fabrics Industry: Porter's Five Forces Analysis

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