

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 2025-2033

Market Report | 2025-01-10 | 124 pages | IMARC Group

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Report description:

The global hybrid fabrics market size reached USD 304.3 Million in 2024. Looking forward, IMARC Group expects the market to reach USD 558.7 Million by 2033, exhibiting a growth rate (CAGR) of 6.63% during 2025-2033. Innovations in material technology, increased demand for performance fabrics, growth in automotive industry, and rising outdoor sports activities are primarily driving the market's growth.

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

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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 2025-2033. 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

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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 2024?
2. What is the expected growth rate of the global hybrid fabrics market during 2025-2033?
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?

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