

Hybrid Composites Market to Reach USD 2,576.0 Million by 2032, Fueled by Advancements in Lightweight Materials

The hybrid composites market is expanding as industries seek lightweight, high-performance materials, with demand driven by fuel efficiency and innovation.

AUSTIN, TX, UNITED STATES, February 24, 2025 /EINPresswire.com/ -- The [Hybrid Composites Market](#) Size was valued at 872.5 Million in 2023 and is expected to reach USD 2,576.0 Million by 2032, growing at a CAGR of 12.8% over the forecast period of 2024-2032.



Hybrid Composites Market

The hybrid composites market is witnessing significant growth, driven by increasing applications in automotive, aerospace, and wind energy sectors. The lightweight and high-strength properties of hybrid composites make them a preferred choice for manufacturers aiming to enhance fuel efficiency and structural performance. According to the U.S. Department of Energy, advanced composites, including hybrid composites, are projected to reduce vehicle weight by 50%, improving fuel economy by 35%. The European Commission's Horizon 2024 program has allocated substantial funding for composite materials research, further driving innovation. Additionally, Boeing announced in early 2023 that its latest aircraft designs incorporate hybrid composites to enhance durability and performance. Government-backed initiatives promoting sustainable materials in wind energy are also fueling market growth. For instance, the Global Wind Energy Council (GWEC) reported a 15% increase in hybrid composite adoption in wind turbine blades from 2022 to 2023. As industries prioritize sustainability and efficiency, hybrid composites are becoming an integral part of next-generation material solutions, positioning the market for robust expansion.

Get a Sample Report of Hybrid Composites Market @ <https://www.snsinsider.com/sample-request/5735>

Key Players:

- Avient Corporation (Amodel PPA, Matrix Resin)
- Exel Composites (Carbon Fiber Reinforced Tubes, Pultruded Profiles)
- General Electric (Ultem Resin, Thermoplastic Composite Materials)
- Gurit Services AG (Prepreg Laminates, Structural Core Materials)
- Hexcel Corp. (HexWeb Honeycomb, HexPly Prepregs)
- Huntsman International LLC (Araldite Epoxy Resins, Rilsan Nylon 11)
- Innegra Technologies, LLC (Innegra S Fibers, Innegra HPP)
- KINECO - KAMAN (Kinecoat Coatings, Kinefiber Reinforcements)
- LANXESS (Tepex Composite Materials, Durethan Polyamides)
- Mitsubishi Chemical Carbon Fiber and Composites, Inc. (T700 Carbon Fiber, Olin Carbon Fiber)
- Owens Corning (Owens Corning™ Composites, Glass Fiber Reinforcements)
- PlastiComp, Inc. (Long Fiber Reinforced Thermoplastics, Compounds)
- Quantum Composites (QX5000, Carbon Fiber Prepregs)
- RTP Company (Glass Fiber Reinforced Thermoplastics, Custom Compounds)
- SABIC (Lexan Polycarbonate, ULTEM Polyetherimide)
- SGL Carbon (Sigrafil Carbon Fibers, Sigraflex Prepregs)
- Solvay S.A. (Cycom Prepregs, Ryton PPS)
- Teijin Ltd. (Tenax Carbon Fiber, T-Core Composite Core Materials)
- Toray Advanced Composites (Torayca Carbon Fiber, Prepreg Materials)
- Textum OPCO, LLC (Textum Hybrid Composites, Prepreg Materials)

By Fiber Type

Carbon/Glass hybrid composites dominated the market in 2023 with a 49% share, attributed to their superior strength-to-weight ratio and enhanced impact resistance. These composites are widely used in automotive and aerospace industries due to their ability to reduce component weight while maintaining high mechanical strength. For example, BMW integrated carbon/glass hybrid composites in its electric vehicle chassis, improving overall efficiency. The sports equipment sector, including bicycle frames and tennis rackets, also witnessed increased adoption, further supporting market dominance.

By Resin Type

Thermoset hybrid composites held the largest share of 52% in 2023 due to their high-temperature resistance, superior structural integrity, and widespread use in aerospace, automotive, and marine industries. Thermoset resins, including epoxy and polyester, offer excellent bonding properties, making them ideal for aircraft structures and automotive body panels. Airbus, for instance, incorporated thermoset hybrid composites in its A350 XWB aircraft, enhancing fuel efficiency and durability. The marine sector also relies on thermoset composites for corrosion-resistant boat hulls and structures, further driving demand.

By End-use

The automotive & transportation segment accounted for 38% of the hybrid composites market in 2023, driven by increasing adoption in electric vehicles (EVs) and lightweight automotive components. Hybrid composites help reduce vehicle weight, enhancing battery efficiency in EVs. Tesla, for example, integrated hybrid composites in battery enclosures and body panels to improve durability and range. Additionally, rising government regulations on emission control have prompted automakers to incorporate hybrid composites, further strengthening this segment's dominance.

Buy Full Research Report on Hybrid Composites Market 2024-2032 @
<https://www.snsinsider.com/checkout/5735>

Asia Pacific dominated the hybrid composites market in 2023, accounting for a significant market share of 34%

The dominance is primarily due to rapid industrialization, strong automotive and aerospace manufacturing bases, and increasing wind energy investments. China and India are key contributors, with China being the largest producer of hybrid composite-based automotive components. Government initiatives, such as India's National Electric Mobility Mission Plan (NEMMP), are further boosting composite material adoption in EV manufacturing. Additionally, China's wind energy sector, backed by the National Energy Administration (NEA), reported a 20% increase in hybrid composite utilization in turbine blades. The aerospace industry in Japan is also embracing hybrid composites for next-generation aircraft, reinforcing regional market dominance.

About Us:

SNS Insider is a global leader in market research and consulting, shaping the future of the industry. Our mission is to empower clients with the insights they need to thrive in dynamic environments. Utilizing advanced methodologies such as surveys, video interviews, and focus groups, we provide up-to-date, accurate market intelligence and consumer insights, ensuring you make confident, informed decisions.

Jagney Dave
SNS Insider Pvt. Ltd
+1 315-636-4242

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

[Instagram](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/788625887>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.