

South & Central America Hybrid Composites Market Forecast to 2028 - Regional Analysis - by Fiber Type (Carbon/Aramid, Carbon/Glass, High-Modulus Polypropylene (HMPP)/Carbon, Ultra High Molecular Weight Polyethylene (UHMWPE)/ Carbon, and Others), Resin (Thermoset and Thermoplastic), and Application (Automotive, Aerospace, Marine, Wind Energy, Sporting Goods, and Others)

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Abstracts

The South & Central America hybrid composites market is expected to grow from US\$ 44.33 million in 2023 to US\$ 67.63 million by 2028. It is estimated to grow at a CAGR of 8.8% from 2023 to 2028.

Rise in Adoption of Biocomposites Fuels South & Central America Hybrid Composites Market

Bio-based polymer matrices are environment-friendly and are the subject of extensive research in various fields. Bio-based matrices are also lightweight and exhibit long-term sustainability, which drives their use in commercial applications. Further, the easy availability of natural raw materials to produce bio-based resin is fueling its supply and demand. Bio-based matrices and biocomposites are employed in several secondary applications in aerospace, automobiles, packaging, electronics, and construction sectors. In the construction industry, biocomposites are generally used to produce doors, windows, terrace decking, insulation material, and acoustic components. According to the report from the Global Alliance for Building and Construction, construction is one of the most harmful sectors to the environment. The study

conducted by the alliance at the end of 2019 stated that the construction sector is responsible for 39% of the carbon dioxide emissions dispersed in the environment, 36% of global energy consumption, and 50% of the extraction of raw materials. Conventional construction materials are highly resource- and energy-intensive. Hence, owing to the rising concern and awareness about the social and environmental impacts of conventional building materials, manufacturers of composites are shifting toward environment-friendly raw materials. Thus, the growing adoption of bio-based matrices or resins sourced from carbohydrates, vegetable fats and oils, starch, bacteria, and other biological materials, over petroleum-derived plastic matrices is expected to emerge as an important trend in the South & Central America Zhybrid composites market during the forecast period.

South & Central America Hybrid Composites Market Overview

The automotive industry in South & Central America is witnessing rapid growth as the demand for commercial and personal vehicles is increasing across the region. According to the Brazilian Institute of Country and Statistics, the production of motor vehicles in Brazil accounted for 2.9 million in 2019. Further, the growth of the automotive carbon composite industry in Brazil is attributed to the large presence of small and large companies, including molding, fabrication, and material suppliers such as Elekeiroz, Embrapol, Cromitec, and Fiacbras. Also, the automotive sector in the region is witnessing increased private investments, which boosts the sector's development.

South & Central America Hybrid Composites Market Revenue and Forecast to 2028 (US\$ Million)

South & Central America Hybrid Composites Market Segmentation

The South & Central America hybrid composites market is segmented into fiber type, resin, application, and country.

Based on fiber type, the South & Central America hybrid composites market is segmented into carbon/aramid, carbon/glass, high-modulus polypropylene (HMPP)/carbon, ultra high molecular weight polyethylene (UHMWPE)/ carbon, and others. The carbon/aramid segment held the largest share of the South & Central America hybrid composites market in 2023.

Based on resin, the South & Central America hybrid composites market is segmented

into thermoset and thermoplastic. The thermoset segment held a larger share of the South & Central America hybrid composites market in 2023.

Based on application, the South & Central America hybrid composites market is segmented into automotive, aerospace, marine, wind energy, sporting goods, and others. The automotive segment held the largest share of the South & Central America hybrid composites market in 2023.

Based on country, the South & Central America hybrid composites market is segmented into Brazil, Argentina, and the South & Central America. Brazil dominated the South & Central America hybrid composites market in 2023.

Avient Corp, Hexcel Corp, Lanxess AG, Mitsubishi Chemical Holdings Corp, SGL Carbon SE, Solvay SA, Teijin Ltd, and Toray Industries Inc are some of the leading companies operating in the South & Central America hybrid composites market.

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