

Middle East & Africa Natural Fiber Composites Market Forecast to 2028- COVID-19 Impact and Regional Analysis- by Raw Material (Wood, Cotton, Flax, Kenaf, Hemp, and Others), Technology (Injection Molding, Compression Molding, Pultrusion, and Others), and End User (Automotive & Aerospace, Building & Construction, Electrical & Electronics, Sporting Goods, and Others)

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Report description:

The Middle East & Africa natural fiber composites market is expected to grow from US\$ 136.39 million in 2022 to US\$ 166.69 million by 2028. It is estimated to grow at a CAGR of 3.4% from 2022 to 2028.

Increasing Demand for Natural Fiber Composites from Automotive Industry Fuels Middle East & Africa Natural Fiber Composites Market

Advanced materials are crucial for boosting the fuel economy of modern automobiles while ensuring safety and performance. Substituting cast iron and traditional steel components with lightweight materials such as high-strength natural fiber composites reduces the weight of a vehicle body and chassis, thereby reducing the fuel consumption of a vehicle. Moreover, natural fiber composites are suitable for the manufacturing of nonstructural interior components, seat backs, headliners, interior panels, and dashboards.

The utilization of natural fiber-reinforced composites is increasing in automotive applications due to legislation and regulations forcing manufacturers to use sustainable and recycled materials to manufacture fuel-efficient and lightweight vehicles. Moreover, several automotive manufacturers use natural fiber composites for interior and exterior applications. In 2020, Dr. Ing. h.c. F. Porsche AG launched Porsche 718 Cayman GT4 Clubsport MR, featuring a car body kit made of natural fiber composite materials

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made from farmed flax fibers. This natural fiber composite is used to develop front and rear aprons; front spoilers; front and rear lids; mudguards; and diffusers, including aerodynamic fins. In 2022, Mercedes-Benz Group and its development partners, HWA AG and Bcomp Ltd, developed front bumpers engineered from natural fiber composite for Mercedes-AMG GT4 race cars. In 2022, Bayerische Motoren Werke AG and Bcomp Ltd formed a development alliance to utilize renewable raw materials for vehicle components. Furthermore, Bcomp Ltd developed powerRibs and ampliTex reinforcement solutions made from natural composite materials. These solutions have been used in DTM touring cars from BMW M Motorsport to substitute selected carbon fiber-reinforced plastic components. Therefore, the increasing use of natural fiber composites in the automotive industry drives the market growth. Also, the rising adoption of electric vehicles (EVs) drives the Middle East & Africa natural fiber composites market.

Middle East & Africa Natural Fiber Composites Market Overview

The natural fiber composites market in the Middle East & Africa is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The construction of commercial infrastructure has upsurged in the region due to the growing tourism industry and the rising immigrant population. The natural fiber composites market in the Middle East & Africa is expected to grow at a significant rate over the coming years due to advancements in construction activities and infrastructure developments funded and supported by government initiatives. In ten years, the UAE government has invested extensively in airport developments and expansion projects, namely US\$ 8.1 billion in Al Maktoum International Airport in Dubai, US\$ 7.6 billion in the Dubai International Airport Expansion Phase 4, US\$ 6.8 billion in Abu Dhabi Airport development and expansion plans, and around US\$ 400 million in Sharjah's International Airport terminal expansion. Thus, the growing construction industry is projected to drive the natural fiber composites market in the Middle East & Africa during the forecast period.

Middle East & Africa Natural Fiber Composites Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa Natural Fiber Composites Market Segmentation

The Middle East & Africa natural fiber composites market is segmented into raw material, technology, end user, and country

Based on raw material, the Middle East & Africa natural fiber composites market is segmented into wood, cotton, flax, kenaf, hemp, and others. The wood segment held the largest share of the Middle East & Africa natural fiber composites market in 2022.

Based on technology, the Middle East & Africa natural fiber composites market is segmented into injection molding, compression molding, pultrusion, and others. The others segment held the largest share of the Middle East & Africa natural fiber composites market in 2022.

Based on end user, the Middle East & Africa natural fiber composites market is segmented into automotive & aerospace, building & construction, electrical & electronics, sporting goods, and others. The automotive & aerospace segment held the largest share of the Middle East & Africa natural fiber composites market in 2022.

Based on country, the Middle East & Africa natural fiber composites market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. Saudi Arabi dominated the share of the Middle East & Africa natural fiber composites market in 2022.

Amorim Cork Composites S.A.; Lanxess AG; TECNARO GMBH; and UPM-Kymmene Corp are the leading companies operating in the Middle East & Africa natural fiber composites market.

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