

Middle East & Africa Multiaxial Woven Fabrics Market Forecast to 2028 -Regional Analysis by Type (Bidirectional Fabrics, Triaxial Fabrics, Quadraxial Fabrics, and Others) and Application (Construction, Industrial, Military, Consumer Goods, and Others)

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Abstracts

The Middle East & Africa multiaxial woven fabrics market is expected to grow from US\$ 38.37 million in 2022 to US\$ 45.39 million by 2028. It is estimated to grow at a CAGR of 2.8% from 2022 to 2028.

Strong Growth of Composites Industry Drive Middle East & Africa Multiaxial Woven Fabrics Market

Multiaxial fabrics are used for the reinforcement of composite materials. Rising demand for high-performance materials with properties such as high strength-to-weight ratio, good tensile strength, electrical conductivity, and others drives the growth of the composites industry. Also, there is a growing demand for composites from various end-use industries such as automotive, sporting goods, marine, construction, and wind energy. In the automotive industry, manufacturers prefer lightweight materials for manufacturing automobiles while ensuring safety and performance. Lightweight materials have excellent potential to increase fuel efficiency. Composites can reduce the weight of automotive components, which increases their use in the automotive sector. There is also a high demand for composites to be used as construction materials in high-performance sports gear due to their lightweight, high strength, freedom of design, and easy processing and forming characteristics. Composites are used in sports gear such as skis, baseball bats, golf clubs, tennis rackets, and bicycle frames. Composites are highly used in the marine industry as they are durable and lightweight. Composites weigh less than traditional marine construction materials, which makes

them suitable for use in boat construction. Further, composites are used as reinforcing materials in several wind energy applications. High strength and stiffness, lightweight, design flexibility, and other characteristics of composites make them perfect materials for turbines. Also, composites are increasingly used in blade reinforcements, blade laminates, spar caps, blade root joints, and spacers. Rising use of composites in different end-use industries fuels the growth of the composites industry. Hence, the strong growth of the composites industry is bolstering the Middle East & Africa multiaxial woven fabrics market growth.

Middle East & Africa Multiaxial Woven Fabrics Market Overview

The Middle East & Africa has a massive demand for multiaxial woven fabrics in various countries such as the UAE, South Africa, and Saudi Arabia due to the growing requirement from the civil & marine engineering sectors. The demand for new residential projects has increased owing to a surge in migration from rural to urban areas. The increasing populace is also boosting the construction of residential areas. For instance, according to the United Nations report on Urbanization and Migration in Africa, the urban population of the region has been increasing at a high rate (i.e., from ~27% in 1950 to 40% in 2015) and is expected to reach 60% by 2050. Hence, due to the increasing demand for new construction in the region, the need for multiaxial woven fabrics has also grown. In addition, in automotive industry, multiaxial fabrics are used in manufacturing chassis and body parts. Carbon fiber is one of the most used fiber in manufacturing multiaxial fabrics for the automotive industry as they offer stiffness and low-density properties. This leads to a huge demand for multiaxial fabric in the automotive sector. Thus, the growth in demand for multiaxial fabric is attributed to the rising demand for lightweight vehicles to conserve fuel and enhance efficiency. As per the Organization of the Petroleum Exporting Countries (OPEC), the Middle East & Africa are expected to have 90 million vehicles on the road by 2040, up from 59 million in 2018.

Middle East & Africa Multiaxial Woven Fabrics Market Revenue and Forecast to 2028 (US\$ Million)

Middle East & Africa Multiaxial Woven Fabrics Market Segmentation

The Middle East & Africa multiaxial woven fabrics market is segmented into type, application, and country.

Based on type, the Middle East & Africa multiaxial woven fabrics market is segmented

into bidirectional fabrics, triaxial fabrics, quadraxial fabrics, and others. In 2022, the quadraxial fabrics segment registered a largest share in the Middle East & Africa multiaxial woven fabrics market.

Based on application, the Middle East & Africa multiaxial woven fabrics market is segmented into construction, industrial, military, consumer goods, and others. In 2022, the industrial segment registered a largest share in the Middle East & Africa multiaxial woven fabrics market.

Based on country, the Middle East & Africa multiaxial woven fabrics market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. In 2022, Saudi Arabia segment registered a largest share in the Middle East & Africa multiaxial woven fabrics market.

3D Weaving SaRL; Albany International Corp; Parabeam BV; SGL Carbon SE; and Sigmalex (UK) Ltd are the leading companies operating in the Middle East & Africa multiaxial woven fabrics market.

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