Carbon fiber multiaxial fabric

Three-dimensional Reinforcement / SC-A4A89D8CED99

PRODUCT OVERVIEW

Carbon fiber multiaxial fabric is an advanced composite reinforcement material designed to deliver balanced strength, stiffness, and dimensional stability in multiple directions. By arranging carbon fibers in several orientations within a single fabric layer, carbon fiber multiaxial fabric effectively distributes loads and reduces stress concentration, making it ideal for high-performance structural applications. Compared with traditional woven fabrics, it offers superior mechanical efficiency, faster lay-up, and excellent compatibility with resin infusion, vacuum molding, and prepreg processes. Widely used in aerospace, automotive, wind energy, marine, and construction industries, carbon fiber multiaxial fabric helps manufacturers achieve lightweight designs without sacrificing strength or durability. Its ability to enhance impact resistance, fatigue performance, and structural reliability

CONFIGURATION DATA

MATERIAL FAMILY	Carbon fibre
SUPPLY FORM	Fabric
ARCHITECTURE / WEAVE	Multiaxial
DIMENSIONS / TOLERANCES	Configured to project requirements in SI / metric units
TECHNICAL DOCUMENTATION	Lot- and configuration-specific documentation available with quotation
AVAILABILITY	Made to order / project supply

DOCUMENTATION & COMPLIANCE

ISO, REACH, RoHS and material certificates are confirmed per selected grade, manufacturer, lot and intended application.