3K Carbon Fiber Laminate Sheet / 3K Carbon Fiber Plate

3K woven carbon fiber surface + carbon fiber/epoxy laminate | Export B2B product sheet

ZD Carbon Fiber

www.zdcarbonfiber.com



Available Specifications

Structure	3K woven surface + carbon fiber/epoxy laminate
Finish	Glossy / Matte / Semi-matte
Weave style	3K twill / 3K plain
Thickness	0.5 / 1 / 1.5 / 2 / 3 / 4 / 5 mm; custom by review
Sheet size	400 x 500 / 500 x 500 / 1000 x 1000 mm; custom
Processing	Full sheet / CNC cutting / drilling / custom shape / edge trimming

Quotation Checklist

- Thickness and sheet size
- Surface finish and weave style
- Quantity and tolerance
- Drawing file for CNC work
- Application and destination country
- TDS / COA / MSDS / sample needs

Product Overview

A rigid carbon fiber/epoxy laminate sheet with a visible 3K woven carbon fiber surface. It is prepared for B2B buyers who need lightweight, stiff, visually consistent sheets for civil and industrial composite parts.

Reference Mechanical Data

Property	Public-reference value	Unit
Density	1.15 - 1.50	g/cm3
Tensile strength	500 - 965	MPa
Tensile modulus	31 - 105	GPa
Flexural strength	820 - 973	MPa
Flexural modulus	53 - 99	GPa
Compressive strength	441 - 758	MPa
Shear / ILSS	41 - 90	MPa
Glass transition temp.	80 - 154	deg C

Values above are compiled from public carbon fiber/epoxy laminate references. Actual values depend on fiber grade, layup, resin system, thickness, cure cycle, test direction and test method.

Typical Civil and Industrial Applications

Industrial panels; automotive interior and exterior parts; sports equipment components; tooling and fixtures; decorative composite panels; electronic equipment panels; model making; civil composite components.

Custom Processing and Documents

CNC cutting, drilling, custom shapes and edge trimming can be reviewed from DXF, DWG, STEP, PDF or clear dimensioned drawings.

TDS, COA, MSDS, sample and available test report can be provided upon request according to product specification and order status.

Inquiry CTA

Send thickness, sheet size, surface finish, weave style, quantity, tolerance, drawing, application and destination country. We will review quotation, packing details and document options.

Reference mechanical data compiled from public carbon fiber/epoxy laminate sources: Easy Composites high strength carbon fibre sheet data, Acculam Carbon Fiber Laminate data sheet, and MatWeb epoxy/carbon fiber composite overview. Values are for preliminary engineering review; final order values should be confirmed by product TDS/COA/test report.