



FRP HOME
CARBON & COMPOSITE MATERIALS

PRODUCT SPECIFICATION & RFQ GUIDE

3K Carbon Fiber Laminate Sheet

Product specification and RFQ guide

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Product specification and RFQ guide

A sourcing and quotation guide for cured CFRP laminate sheets with a visible 3K twill surface. This document defines the information required for product review; it is not a batch TDS, test report or structural design certificate.

SURFACE 3K twill by order	FINISH Matte / glossy	LAYUP Project-defined	PROCESS Sheet / CNC part
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PRODUCT DEFINITION

Item	Available review scope	Order control
Product format	Cured CFRP laminate sheet	Confirm panel or machined part
Visible surface	3K twill carbon fabric	One or two faces by approved sample
Surface finish	Matte / glossy / sanded / peel-ply	Confirm face and appearance target
Thickness	Customer-specified	Final value and tolerance by quotation
Panel dimensions	Customer-specified	Confirm usable size and edge allowance
Inner reinforcement	Woven / UD / mixed layup by review	Engineering and process confirmation required
CNC processing	Cutting / drilling / slots / edge finish	DXF, STEP or dimensioned drawing required
Surface protection	Film or interleaf by order	Confirm packing and appearance faces

RFQ CHECKLIST

Required input	Buyer information	Why it is needed
Geometry	Panel dimensions or CAD drawing	Material and nesting review
Thickness and tolerance	Nominal value and critical tolerances	Manufacturing and inspection plan
Surface requirement	3K twill face, matte or glossy	Appearance and protection plan
Machining details	Holes, slots, countersinks and edges	CNC process review
Commercial context	Quantity, destination and final application	Quotation, packing and compliance review

TYPICAL APPLICATIONS

Industrial panels • CNC brackets and fixtures • Equipment covers • Automotive appearance parts • Sports and lightweight components

HANDLING AND QUOTATION NOTES

- Use an approved physical sample when gloss, texture or weave alignment is appearance-critical.
- Do not substitute this laminate sheet for pultruded CFRP strengthening plate without qualified engineering review.
- Confirm thickness, tolerance, layup, surface, CNC drawing, quantity, packing, destination and final application before order release.

Data basis: Prepared from the current FRP HOME 3K laminate product scope and RFQ workflow. The available local 1.2 mm source file describes a pultruded structural-strengthening plate and was deliberately not relabeled as a 3K laminate-sheet TDS.

The values in this sheet are typical or nominal reference values, not a batch certificate or finished-laminate design allowables. Final specification, tolerances, test methods, resin compatibility, compliance review and COA requirements must be confirmed in the quotation and order documents.