

TECHNICAL DATA SHEET

300gsm UD Carbon Fiber Fabric

Unidirectional reinforcement for directional loading

SUPPLIER / BRAND	ZHEJIANG FRPHOME NEW MATERIAL CO., LTD.
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300gsm UD Carbon Fiber Fabric

Unidirectional reinforcement for directional loading

A 300 g/m2 unidirectional carbon reinforcement designed to place most of the fiber in the primary load direction. Width options support structural strengthening, pultrusion feed, directional laminate buildup and composite repair.

DIRECTION 0 degree UD	WEIGHT 300 g/m2	THICKNESS 0.167 mm nominal	WIDTH 100-500 mm
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NOMINAL PRODUCT DATA

Property	Nominal value	Quotation note
Construction	Unidirectional carbon fiber fabric	Secondary yarn and backing by order
Areal weight	300 g/m2	Confirm tolerance by order
Nominal thickness	0.167 mm	Dry-fabric reference
Available width	100-500 mm	Slit width by project review
Fiber grade	By confirmed order	T300 / T700 or alternate grade by review
Mechanical properties	System-dependent	Confirm fiber, resin, cure and test method

TYPICAL APPLICATIONS

CFRP structural strengthening • Directional laminate reinforcement • Pultruded strips and profiles • Composite repair • Beam and spar reinforcement

HANDLING AND QUOTATION NOTES

- Store flat or on a supported roll in a dry, clean area.
- Do not use fabric-only data as cured-laminate design allowables.
- State substrate, resin system, design direction, width and required documents in the RFQ.

Data basis: Prepared from the local 300 g/m2 unidirectional fabric record. Legacy mechanical values were excluded from the published table because the resin system and test methods were not identified.

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.