

TECHNICAL DATA SHEET

High Strength 12K Carbon Fiber Tow

Supplier-grade reference for continuous carbon fiber

SUPPLIER / BRAND	ZHEJIANG FRPHOME NEW MATERIAL CO., LTD.
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A high-strength 12K continuous carbon fiber tow offered subject to source-grade and batch availability. The data below are supplier-origin reference values and do not imply FRP HOME manufacture or official brand authorization.

TOW 12K	STRENGTH 5500 MPa typical	MODULUS 240 GPa typical	SIZING Epoxy
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SUPPLIER-ORIGIN REFERENCE DATA

Property	Typical value	Reference method
Tensile strength	5500 MPa	GB/T 3362-2017
Elastic modulus	240 GPa	GB/T 3362-2017
Elongation at break	2.2%	GB/T 3362-2017
Density	1.80 g/cm3	GB/T 30019-2013
Linear density	800 g/km	GB/T 3362-2017
Sizing type	Epoxy	Supplier declaration
Twist	Untwisted	Supplier declaration
Nominal bobbin net weight	4 kg	Standard source package

TYPICAL APPLICATIONS

Woven carbon fabric • Prepreg conversion • Pultrusion • Pressure vessels • Automotive composites • Industrial composite reinforcement

HANDLING AND QUOTATION NOTES

- Store dry, cool and ventilated, away from heat and moisture.
- Confirm source brand, grade, sizing, bobbin format, package and COA before purchase.
- Customer qualification is required for the intended process and end use.

Data basis: Prepared from the local ZDCF 55T-12K supplier TDS. Source grade and test values remain identified; availability and authorization are not implied and must be confirmed separately.

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.