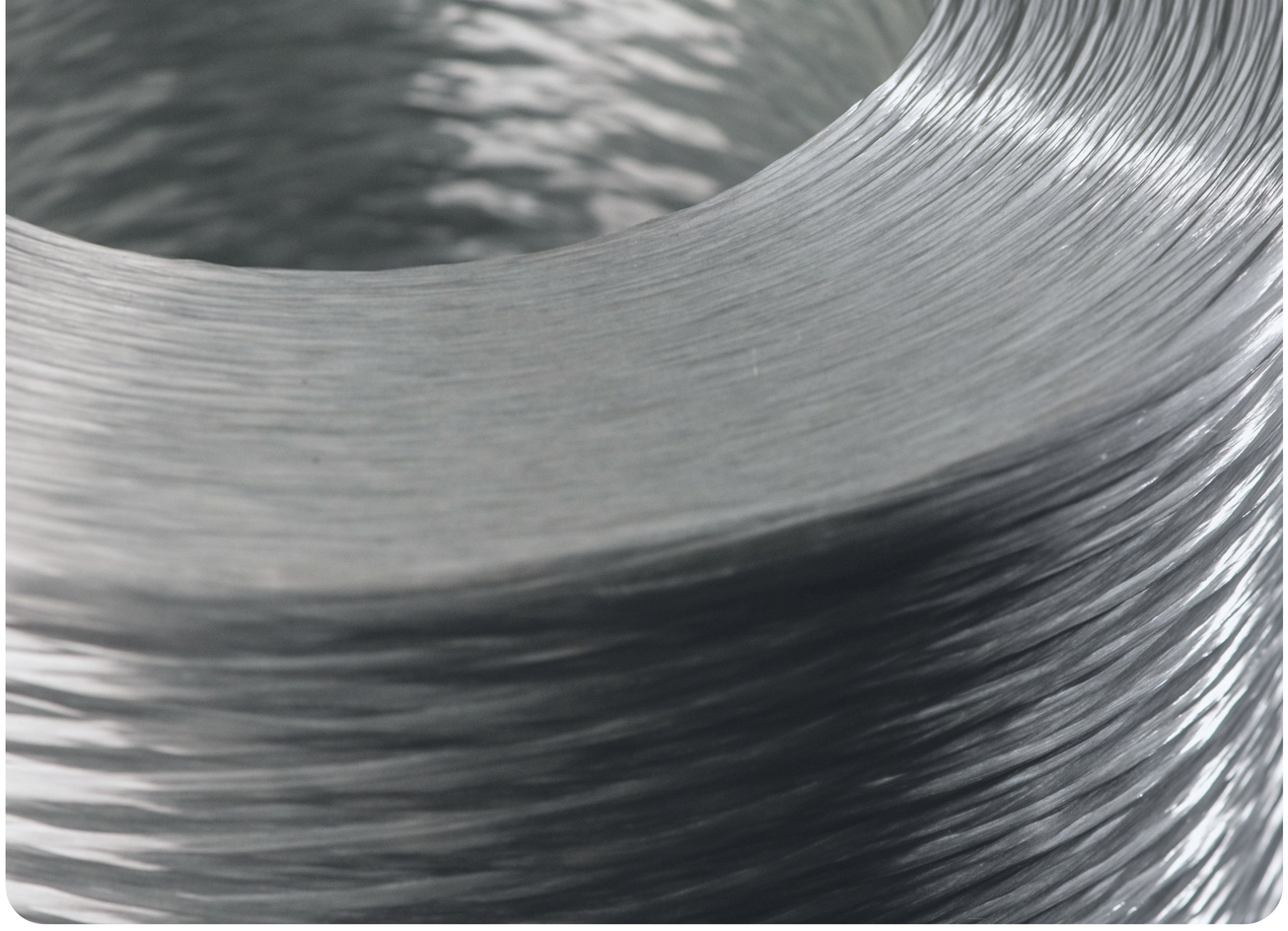
Original Composites & Fiberglass



HIPER-TEX® W2020 SINGLE-END ROVING

Higher modulus, stronger blade performance

HiPer-tex® W2020 single-end rovings are designed for high-stiffness wind turbine blade applications using epoxy resin systems. Engineered to deliver higher modulus, strength and enhanced fatigue performance versus traditional E-glass, they support reliable processing and advanced blade designs for multi-MW onshore and offshore turbines.

- Designed for high-modulus Non-Crimped Glass Fabrics and prepregs.
- Epoxy-compatible sizing for excellent resin-to-glass adhesion.

FOR NON-CRIMPED FABRICS, PREPREGS AND WIND TURBINE BLADES

Product Benefits

0° Fiber Modulus Greater Than 86 GPa

High Weaving Efficiency

Enhanced Interfibre Properties

Lighter Blades: 3-6% Blade Weight Reduction Vs Traditional E-Glass

Application

Optimized design for wind turbines in all on-shore and off-shore locations.

- Helping with high performance designs of Spar Cap, Shell and Root.
- Longer and lighter blades are especially beneficial in low-wind areas.



HIPER-TEX® W2020 | WEAVING | AUGUST 2026

Technical Characteristics

RESIN COMPATIBILITY	TENSILE STRENGTH (MPa) ASTM D2343-09	TENSILE MODULUS (GPa) ASTM D2343-09	TENSILE STRAIN (%) ASTM D2343-09	DENSITY (g/cm^3)	SIZING AMOUNT (%)
Epoxy	2700	86 - 89	3.1 - 3.3	2.58	0.4 - 0.6

Product performance characteristics

	TENSILE STRENGTH (MPa) at Vf=56%	TENSILE MODULUS (GPa) at Vf=56%	TRANSVERSE TENSILE STRENGTH (MPa)	INTERLAMINAR SHEAR STRENGTH (MPa)	COMPRESSION STRENGTH (MPa)
VALUE	1280	48	57	64	900
STANDARD	ISO 527-5	ISO 527-5	ISO 527-5	ISO 14130	ISO 14126

HiPer-tex® W2020 | Uni-directional fabric 17 µm — 2400 tex roving, infused with epoxy resin.

This information and data contained herein is offered solely as a guide in the selection of product. Published product values are typical performance estimates and may vary by manufacturing location, production run, testing method, and application. Products are tested as part of our quality processes and manufactured to applicable specifications. Actual performance may vary. We reserve the right to update published values, specifications, and product characteristics without notice. All values are provided for informational purposes only and do not guarantee performance. Customers are responsible for determining the suitability of the product for their intended use and should conduct appropriate testing and evaluation. Except as otherwise provided in applicable sales terms & conditions, no warranties of any kind, express or implied, including those of merchantability and fitness for a particular purpose.

Availability & Packaging

HiPer-tex® W2020 Rovings are produced in Europe. Additional tex may be available upon request by contacting your sales representative.

TEX	600	1200	2400	4800
FILAMENT DIAMETER (µm)	17	17	17	24
BOBBIN TYPE	R	C	C	C

Bobbins are individually wrapped with stretched plastic film for protection, improved handling and to allow optimum transfer from bobbin to bobbin. Nominal weights for R and C bobbins are respectively 21 and 25 kg.

Two pallet configurations are available:

- Bulk-Pack: standard packaging, consists of individual bobbins.
- Creel-Pak®: bobbins are connected together for continuous unwinding and no bobbin handling for operators.

For detailed information about bobbins, pallet weight, dimensions and layout please contact us.

Labeling

Each individual package is labeled with information including: product name, tex/yield, producing plant, and production date.

Storage

Unless otherwise specified, it is recommended that glass fiber products be stored in a cool, dry area. Recommended long-term storage conditions are temperatures between 10°C and 35°C and relative humidity between 35% and 85%. While temporary deviations may occur during storage or transportation, product performance can be confirmed through routine verification testing if exposure outside these conditions has occurred for an extended period. Glass fiber products should remain in their original packaging until the point of use. To help prevent condensation, keep product in its original, unopened packaging and allow it to naturally acclimate to the workshop temperature for at least 24 hours before opening or use. Packaging is not waterproof and should be protected from weather and other sources of moisture. Although fluctuations may occur during transportation, handling, and temporary storage, products should be maintained within the recommended storage ranges after receipt to help preserve product performance. A defined shelf life has not been established for the product when stored under recommended conditions. However, retesting is recommended after three years from the date of manufacture to help ensure optimum performance.

MAKE MORE POSSIBLE™

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