

WINDSTRAND® 2000

SINGLE-END ROVING

For blade design  
optimization

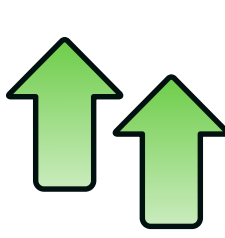


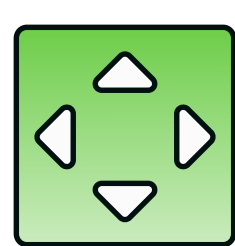
Advantex® corrosion resistant glass fibers which combine the electrical and mechanical properties of traditional E-glass with the acid corrosion resistance of E-CR glass.

✔ Resin compatibility: epoxy compatible sizing

Product Benefits

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Production In 5 Locations
- 

Operation At Increased FVF (Fiber Volume Fraction) Levels
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Enhanced 90° Properties
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High Weaving Efficiency

Application

Helping with optimized design for wind turbines in all onshore, offshore locations.

Technical Characteristics

| PRODUCT OFFERINGS<br>WINDSTRAND® 2000 | NOMINAL FILAMENT DIAMETER | NOMINAL TEX (GLASS+SIZING)<br>G/KM | TEX G/KM |         | % SOLIDS |      |      |
|---------------------------------------|---------------------------|------------------------------------|----------|---------|----------|------|------|
|                                       |                           |                                    | TEX USL  | TEX LSL | USL      | NOM  | LSL  |
| 100 Tex                               | 13µm                      | 101 Tex (4911 yd/lb)               | 116      | 86      | 0.85     | 0.65 | 0.45 |
| 200 Tex                               | 13µm                      | 201 Tex (2468 yd/lb)               | 219      | 183     | 0.85     | 0.65 | 0.45 |
| 300 Tex                               | 16µm                      | 302 Tex (1643 yd/lb)               | 326      | 278     | 0.85     | 0.65 | 0.45 |
| 600 Tex                               | 17µm                      | 603 Tex (822 yd/lb)                | 648      | 558     | 0.67     | 0.55 | 0.43 |
| 1200 Tex                              | 17µm                      | 1207 Tex (411 yd/lb)               | 1297     | 1117    | 0.67     | 0.55 | 0.43 |
| 2400 Tex                              | 17µm                      | 2400 Tex (207 yd/lb)               | 2580     | 2220    | 0.67     | 0.55 | 0.43 |

## Packaging

Rovings are available in a single-end internal-pull package. Each pallet weighs approximately 1 ton. Pallets are stretch wrapped for load stability. All doffs are wrapped with Tack-Pak® for protection and to aid package runout and transfer. Full doffs are approximately 20–21 kg (45 lb) and they can be packaged in bulk or Creel-Pak® format.

### Standard Package:

- Cylindrical bobbin without tube, Outside diameter (OD): approximately 270 mm, height 260–300 mm.
- Partial bobbins have smaller diameter.
- Max bobbin weight approximately 21 kg. 600 tex and greater.
- Bobbin covered by a Tack-Pak® film.

### Pallet:

- Size: 1150 x 1150 mm, 4-way entry.
- 16 bobbins (max OD) per layer. Pallets are 3 or 4 tiers high.
- Pallet is stretch-wrapped.

### Identification:

- Bobbin label (each bobbin).
- Four pallet labels, one on each side of the pallet.

## Storage

The glass fiber products must remain in their original packaging material until the point of usage; the product should be stored in the workshop, within its original packaging, 24 hours prior to its utilization, to allow it to reach the workshop temperature condition and prevent condensation, especially during cold season. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. It is recommended the product be used in a laminate, with resin, within 36 months of production. The packaging system is designed to allow stacking of two pallets. When stacking pallets two high, care should be taken to place the top pallet gently and aligned properly. The Original Composites & Fiberglass is not responsible for any damage resulting from stacking pallets more than two high.

MAKE  
MORE  
POSSIBLE™

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