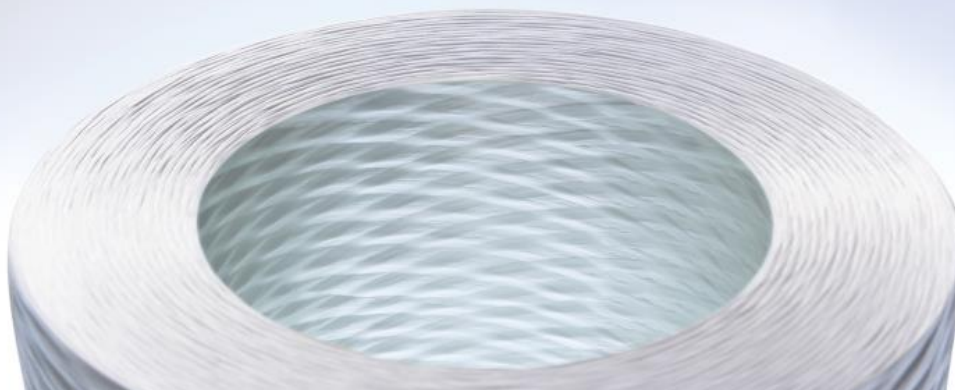


WINDSTRAND® 2800 TYPE 30™ ROVING FOR WIND ENERGY

FOR BLADE DESIGN OPTIMIZATION



DESCRIPTION

■ Glass description

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

■ Resin compatibility: multi resin compatible sizing

BENEFITS

- Global production, globally available
- Enhanced 90° properties
- Operation at increased FVF (Fiber Volume Fraction) levels
- High weaving efficiency



APPLICATIONS

Helping with optimized design for wind turbines in all on-shore, off-shore locations



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TECHNICAL CHARACTERISTICS (Single-End Roving)

Product	Avg filament diameter (μ)	*Linear density (Tex)	Solids content (%)	Moisture (%)	Linear Density (yield) ISO 1889		
					USL	NOM	LSL
Test Method	ISO 1888	ISO 1889	ISO 1887	ISO 3344			
WindStrand® 2800 2400 Tex	17	2400 (± 180)	0.60 (± 0.15)	≤ 0.10	223	207	192
WindStrand® 2800 4400 Tex	23	4400 (± 332)	0.60 (± 0.15)	≤ 0.10	122	113	104

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) ± 270mm, height 260 - 300mm.
- Partial bobbins have smaller diameter.
- Max bobbin weight approximately 21kg.
- Bobbin covered by a Tack-Pack film.

Pallet:

- Size: 1150 x 1150mm, 4 ways 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 side of the pallet.

STORAGE

Glass fiber products must remain in the packaging material until just prior to use. It is recommended to bring material in the workshop place at least 24 hours prior to use. The packaging system is designed to allow stacking of two pallets. When stacking two high, care should be taken to place the top pallet correctly and smoothly. Owens Corning is not responsible for any damage resulting from stacking pallets higher than two high.

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Pub number: 10021558

WindStrand 2800_product sheet_ww_09-2016_Rev0_EN. September 2016

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