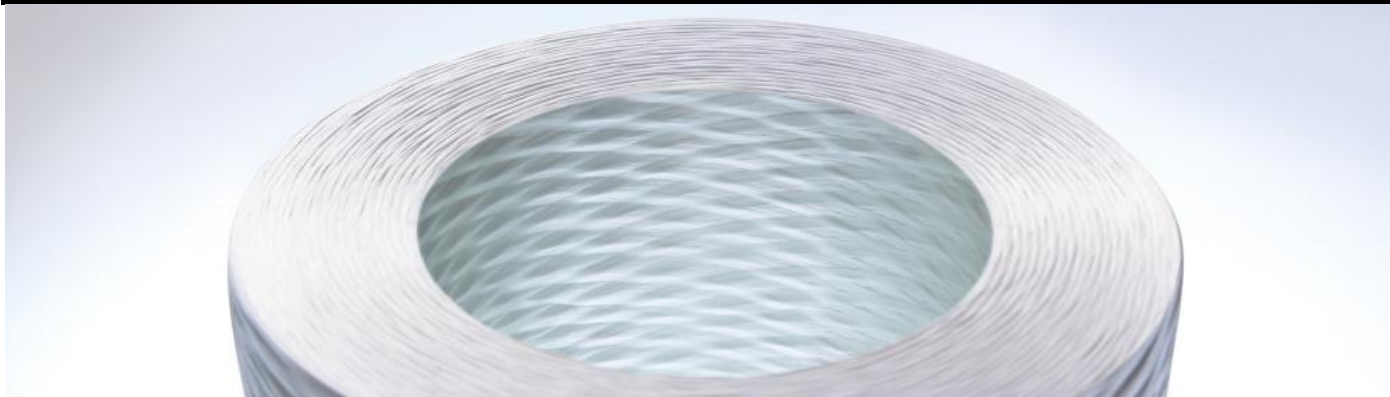


TELESTRAND™ 2000 UV SERIES SINGLE-END ROVING

FOR CENTRAL STRENGTH MEMBER OF OPTICAL FIBER CABLE



DESCRIPTION

- Produced by pulling individual fibers directly from the bushing and winding them onto a roving package ready for shipment
- Maximum strand integrity and excellent resin to glass bonding through, uniform distribution of a proprietary sizing system
- Manufactured using the Type 30® Roving state-of-the-art technology of Owens Corning, in conjunction with statistical process control in manufacturing facilities certified to ISO 9001

BENEFITS

- Minimized fuzz (< 0.002 gm/lb of product) allowing fast impregnation
- Strand integrity – Tight LOI control
- 32kg bobbin: glass fiber length matching cable length
- Advantex® E-CR glass helping to provide water resistance
- Meets India's telecom standards
- Approved by leading central strength member manufacturers for India and export markets.



APPLICATIONS

- FRP central strength member of optical fiber cable manufactured by high-speed UV-cured pultrusion
- Telecom applications: broadband highways, mobile connectivity everywhere, public internet access programs
- Serving Digital India initiative.



TELESTRAND™ 2000 UV SERIES SINGLE-END ROVING

FOR OPTICAL FIBER CABLE (OFC) CENTRAL STRENGTH MEMBER

AVAILABILITY

Yield	Tex
2480 – 1654 – 827 – 675 – 413 – 207 – 103	200 – 300 – 600 – 735 – 1200 – 2400 – 4800

TECHNICAL CHARACTERISTICS (Single-End Roving)

The following data was generated using production material 2000 UV Series roving – 675 Yield (735 Tex).

Mechanical properties	Strand Tensiles: ASTM D 2343		Interlaminar Shear Strength NOL ring: ASTM D 2344		
	Strength (MPa)	Strength (Ksi)	Dry shear strength (MPa)	Dry shear strength (psi)	Shear strength Retention 72 hr boil (%)
DER 331 Epoxy resin	2700	395	66.3	9620	99%
Polyester F701 Resin	2570	375	73.4	10650	85%

PACKAGING

Rovings are available in a single-end internal-pull package. Each pallet weighed about 1 ton. Pallets are stretch wrapped for load stability. All doffs are wrapped with Tack-Pak® packaging or shrinkable film for protection during transport. Full doffs are available in weights between 20 kg (45 lb) and 35 kg (77 lb) and they can be packaged in bulk or Creel-Pak® packaging format. More information is available in the Customer Acceptance Standards.

STORAGE

It is recommended to store glass fiber products in a cool, dry area. 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, 48 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. When stored properly, there is no known shelf life to the product, but retesting is advised after three years from the initial production date to insure optimum performance.

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Data sources: Owens Corning internal test, Taloja lab., 2014
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