366
SINGLE-END ROVING

Maximize performance, minimize cost

Type 30® 366 single-end roving is specifically designed for fast wet-out, good processing, high glass loading, and excellent laminate properties, to maximize customers' processing efficiency and minimize their production costs in pultrusion and filament winding applications.

- Manufactured using state-of-the-art Type 30® Roving technology of Owens Corning, in conjunction with statistical process control in manufacturing facilities certified to ISO 9001.
- Designed for the Pultrusion and Filament Winding markets, for all major resin systems.
- Produced with Owens Corning Advantex® corrosion-resistant E-CR glass.

FOR PULTRUSION AND FILAMENT WINDING PROCESSES

Product Benefits

Excellent Processing

Owens Corning T30 does not have catenary, enabling smooth run-out, while low fuzz properties result in smoother parts and less downtime for cleanup; enabling higher efficiencies and lower manufacturing costs.

Excellent Strand Wet-Out With Reduced Cost

Fast, uniform strand wet-out leads to higher glass loading with reduced resin, in all major resin systems. Resulting in optimized part production speed and increased productivity, reducing manufacturing costs.

Outstanding Mechanical Properties

Excellent shear and flexural properties in major resin systems provide maximum part strength and long part service life.

Multi-Resin Compatibility

Excellent glass/resin bonding in polyester, vinyl ester, polyurethane, acrylic, and epoxy resins, providing the processor maximum flexibility with one input glass. This reduces cost with less inventory to carry and eliminates the need for costly downtime and labor to change input glass during job changes.

Superior Corrosion Resistance

Compared to standard E-glass, Advantex® glass provides longer service life in applications facing corrosion.

Application

- Pultrusion applications in polyester, vinyl ester, epoxy, polyurethane, and acrylic resin systems, using conventional dip bath or resin injection technology.
- Pultruded structural applications: ladder rails, grating systems, rebar, and poles, etc.

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Technical Characteristics

The following data was generated using production material 366 roving – 113 Yield (4400 Tex).

	STRAND TENSILES: ASTM D2343		INTER-LAMINAR SHEAR STRENGTH ASTM D2344		
MECHANICAL PROPERTIES	Strength (MPa)	Strength (Ksi)	Dry Shear Strength (MPa)	Dry Shear Strength (psi)	Shear Strength Retention 72h boil (%)
DER 331 Epoxy Resin	2344	340	61.6	8940	98%
Polyester F701 Resin	2310	335	72.5	10520	86%

The results presented were obtained in Owens Corning laboratories (GRV) and are for indicative purposes only, and should not be used for structural design or engineering calculations.

Availability & Packaging

TEX	YIELD	REGION
1100 - 1500 - 2000 - 4400	450 - 330 - 250 - 113	NA, LA
4800	103	AP, LA

Rovings are available in a single-end internal-pull package. Each pallet weighs about 1 ton and can be packaged in bulk or Creel-Pak® packaging format. Pallets are stretch-wrapped for load stability and for protection during transport. All individual packages are wrapped with Tack-Pak® packaging to aid package run-out and transfer. More information is available in the Customer Acceptance Standards.

Labeling

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

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 ensure optimum performance.

MAKE MORE POSSIBLE™

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