# 366 TYPE 30® SINGLE END ROVING

## MAXIMIZE PERFORMANCE, MINIMIZE COST

366 Type 30® 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.
- Produced with Owens Corning patented Advantex® corrosion resistant E-CR glass.
- Designed for the Pultrusion and Filament Winding markets, for all major resin systems.

## 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 clean-up; enabling higher efficiencies and lower manufacturing costs.

**Outstanding Mechanical Properties**
Excellent shear and flexural properties in major resin systems, provide maximum part strength and long part service life.

**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.

**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.

## Technical Characteristics (Single-End Roving)

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

| MECHANICAL PROPERTIES | STRAND TENSILES: ASTM D 2343 | | INTER-LAMINAR SHEAR STRENGTH ASTM D 2344 | | |
|---|---|---|---|---|---|
| | Straight (MPa) | Strength (Ksi) | Dry Shear Strength (MPa) | Dry Shear Strength (psi) | Shear Strength Retention 72 hr boil (%) |
| DER 331 Epoxy Resin | 2344 | 340 | 61.6 | 8940 | 98% |
| Polyester F701 Resin | 2310 | 335 | 72.5 | 10520 | 86% |

## Availability

| REGION | YIELD | TEX |
|---|---|---|
| N. America | 450 - 330 - 250 - 113 | 1100 - 1500 - 2000 - 4400 |

## Packaging (Standard Reference)

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 insure optimum performance.


**Americas**

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