



# SE2350 OPTIMIZE PRODUCTIVITY WITH LESS RESIN

SE2350 single-end Type 30<sup>®</sup> roving is designed for applications requiring high strength, efficient processing and demanding fatigue life. Maximum strand integrity results from uniform distribution of a proprietary sizing system ensuring an excellent resin-to-glass binding through the binding agent.

- Produced with patented Advantex<sup>®</sup> corrosion resistant E-CR glass by Owens Corning.
- Compatible with both amine and anhydride cured epoxy resin systems.

## SINGLE-END ROVING FOR FILAMENT WINDING

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### Product Benefits

#### Excellent Processing

Smooth run-out from lower drag across contact points produces less fuzz, resulting in smoother parts, less clean-up, and improved machine efficiencies.

#### Fast Wet-out with Reduced Cost

Fast, uniform strand wet-out leads to higher glass loading and good adhesion with reduced resin in both amine and anhydride cured epoxy resin systems. This results in optimized part production speed and increased productivity, reducing manufacturing costs.

#### Good Mechanical Properties

Excellent shear and tensile properties in both amine and anhydride resin systems; good laminate properties in burst, static, and cyclic fatigue provide maximum part strength and long part service life.

#### Enhanced Service Life

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

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### Application

SE2350 is designed for use in small diameter oil field pipe, down hole tubing, well casing, and chemical processing pipe. SE2350 roving can also be used in aerospace, military, transportation, and electrical applications.

## Technical Characteristics

The following data was generated using production material SE 2350 roving-250 Yield (2000 Tex - 16 Micron).

| <b>STRAND TENSILES: ASTM D 2343</b> | <b>STRENGTH (MPA)</b> | <b>STRENGTH (KSI)</b> |
|-------------------------------------|-----------------------|-----------------------|
| Amine/DER 331 Epoxy Resin           | 2240                  | 325                   |

  

| <b>INTERLAMINAR SHEAR STRENGTH NOL RING: ASTM D 2344</b> | <b>DRY SHEAR STRENGTH (MPA)</b> | <b>DRY SHEAR STRENGTH (PSI)</b> | <b>SHEAR STRENGTH RETENTION 72 HR BOIL (%)</b> |
|--|---------------------------------|---------------------------------|--|
| Amine/DER 331 Epoxy Resin                                | 64.4                            | 9340                            | 95%  |

## Availability & Packaging

| <b>YIELD</b>           | <b>TEX</b>              | <b>MANUFACTURING REGION</b> |
|------------------------|-------------------------|-----------------------------|
| 250 (16 and 22 micron) | 2000 (16 and 22 micron) | North America               |

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. Full doffs are available in weights between 15 kg (33 lb) and 20 kg (44 lb), and can be packaged in bulk or Creel-Pak™ format. 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

Unless otherwise specified, 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 in its original packaging for 48 hours prior to its utilization, to allow it to reach the workshop temperature condition and prevent condensation, especially during the cold season. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water.

It is recommended that the product be used in resin within 18 months for manufacture. Ideal conditions are at a temperature between 8°C and 26°C and a relative humidity 70% or less.



### Americas

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