



# ECOSTRAND™ DESIGNED TO PERFORM

**EcoStrand™ has been designed to provide reliable shear strength and flexural properties in polyester and vinyl ester resin systems for pultrusion applications.**

- Produced with Advantex® corrosion-resistant E-CR glass by Owens Corning.
- Compatible with polyester and vinyl ester resin systems (not recommended for epoxy).

## FOR PULTRUSION APPLICATIONS

### Product Benefits

#### Good Processing

- Fast, easy unwinding with smooth run-out for better efficiency.
- Uniform wet-out optimizes fabrication time and provides improved productivity.
- Low fuzz properties result in less downtime for clean-up, enabling higher efficiencies and lower manufacturing costs.

#### Good Mechanical Properties

- Sizing designed to provide very good shear strength and flexural properties in polyester and vinyl ester resin systems.
- Very good hydrolytic aging performance.

#### Enhanced Service Life

- Compared to standard E-glass, Advantex® glass helps with enhanced service life in applications facing corrosion.

### Applications

EcoStrand™ is designed for industrial pultrusion applications, such as walkways, gratings, railings, ladders, cable trays, and pultruded sections of large structural profiles, including cooling towers and others.



## Technical Characteristics

(Nominal Values)

The following data were generated by evaluating EcoStrand™ using unsaturated polyester resin systems. Sample preparation and fiber weight fraction were controlled to create comparable data.

### Flexural strength

**1120 MPA**

ASTM D790

### Interlaminar shear strength

**44 MPA**

(short beam strength)

Test method ASTM D2344

## Availability and Packaging

EcoStrand™ is available in India.

MANUFACTURING LOCATION	TEX	PACKAGE WEIGHT
Taloja	4800 Tex (24 µ)	20–25 kg

Rovings are available in a single-end internal-pull package. Pallets are stretch-wrapped for load stability. Each doff is wrapped for protection and to aid strand runout and transfer. Pallets are available in bulk packaging format. 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

Glass fiber products should be stored in a cool, dry area. The glass fiber products must remain in their original packaging material until use. 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 weather. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, the product has no known shelf-life issues, but retesting is advised after three years from the initial production date to ensure optimum performance.



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