



# SE2307 SINGLE-END ROVING

## Service life performance

**Type 30® SE2307 single-end roving is designed to provide extended service life (20+ years) and hydro-thermo stability for high performance filament-wound epoxy pipe under pressurized conditions.**

✔ Produced with Advantex®, market-leading, corrosion-resistant E-CR glass technology created by Owens Corning.

✔ Compatible with aliphatic amine, aromatic amine, and anhydride curing systems.

✔ Produced in manufacturing facilities certified to ISO 9001.

### FOR FILAMENT-WOUND EPOXY PIPE

#### Product Benefits



##### Outstanding Mechanical Properties

- Excellent properties in multiple curing systems; improved axial tensile strength, inter-laminate shear strength, and burst stress for high-performance filament-wound epoxy pipe applications.



##### Excellent Processing

- Fast wetting and smooth run-out combined with low fuzz properties, resulting in smoother parts and less downtime for cleanup, enabling higher efficiencies and lower manufacturing costs.



##### Versatility

- Designed for use in filament winding, compatible with a variety of curing systems — giving flexibility with one glass input and higher glass loading.
- Flexibility to meet pipe user requirements for high mechanical properties, durability, corrosion resistance, and low weight.



##### Enhanced Service Life

- Excellent hydro-thermo stability and strength retention under pressurized conditions, leading to long service life for installed pipe.

#### Application

SE2307 single-end roving is specifically designed to match the unique needs of the high-performance epoxy pipe market in a variety of applications: power & energy (refineries, power plants, off-shore platforms), industrial (petrochemical), and transportation (marine).



## Technical Characteristics

The following data was generated using production material SE2307 – 1100 Tex (450 Yield).

MECHANICAL PROPERTIES	STRAND TENSILES: ASTM D2343		INTERLAMINAR SHEAR STRENGTH ASTM D 2344		
	STRENGTH (MPA)	STRENGTH (KSI)	DRY SHEAR STRENGTH (MPA)	DRY SHEAR STRENGTH (PSI)	SHEAR STRENGTH RETENTION 72 HR BOIL (%)
Epoxy Epon 828	2455	356	70.3	10190	97.1

Retained  
**94% OF ITS SHEAR STRENGTH**  
after 1,000 hours at 93°C

## Availability & Packaging

SE2307 is available in Asia Pacific, CIS, South America, and has limited availability in Europe. Tex availability varies by region.

YIELD	TEX
735 – 1100 – 2000 – 2400	675 – 450 – 413 – 250 – 207

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 or Creel-Pak® pallet packaging format, depending on region.

## 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 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 the cold season. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water.

**MAKE  
MORE  
POSSIBLE™**

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