



SE8400 ELECTRICAL INSULATOR WITH ACID RESISTANCE

SE8400 Type 30™ continuous single-end roving is specifically designed for pultrusion processing in applications requiring high electrical resistance.

- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.
- Compatible with polyester, vinyl ester, and epoxy resins.

FOR PULTRUDED HIGH VOLTAGE ELECTRICAL INSULATOR APPLICATIONS

Product Benefits

Efficient Processing

- Better wet-out in polyester, vinyl ester, and epoxy resin, offering fast processing and good glass-to-resin bonding, resulting in optimized part production.
- Good wet-out and resin bonding results in excellent visual appearance of parts produced.

Good Mechanical Properties

- Low seed glass results in excellent dielectric properties which are ideal for applications requiring high electrical resistance.

Advanced Service Life

- Advantex® corrosion resistant glass fiber combined with low seed glass is ideal for long-term electrical, physical, and acid resistance, reducing the potential for costly brittle fracture failures in the field.

Applications

Specifically designed for pultruding high voltage electrical insulators, SE8400 is ideal for high voltage electrical applications due to the unique combination of Advantex® and low seed glass.



Technical Characteristics

STRAND TENSILE ASTM D 2343	AVG.	% GLASS	AVG.	% GLASS
	E-701 POLYESTER RESIN		DER 331 EPOXY RESIN	
Tensile Strength, psi (Mpa)	353,900 (2440)	58.8	338,800 (2336)	54.5

NOL RING SHEAR ASTM D 2344	AVG.	% GLASS	AVG.	% GLASS
	E-701 POLYESTER RESIN		DER 331 EPOXY RESIN	
Dry Shear Strength, psi (Mpa)	9,260 (63.8)	79.8	9,445 (65.1)	77.1
Wet Shear Strength, psi (Mpa)	8,356 (57.6)	79.8	9,030 (62.3)	77.1
% Retention	90.2		95.6	

Wet data represents samples boiled in water for 72 hours.

Availability & Packaging

TEX	YIELD	MANUFACTURING REGION
4400	113	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. 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.



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