

SE2350

SINGLE-END ROVING

Optimize productivity
with less resin



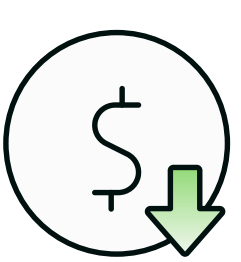
Type 30® SE2350 single-end roving is designed for applications requiring high strength, efficient processing and demanding fatigue life. Maximum strand integrity results from uniform distribution of a proprietary sizing system ensuring an excellent resin-to-glass binding through the binding agent.

-  Produced with patented Advantex® corrosion-resistant E-CR glass.
-  Compatible with both amine and anhydride cured epoxy resin systems.

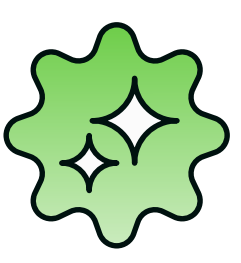
SINGLE-END ROVING FOR FILAMENT WINDING

Product Benefits

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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.
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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.
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Enhanced Service Life
Compared to standard E-glass, Advantex® glass provides longer service life in applications facing corrosion.
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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.

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.

Availability & Packaging

TEX	YIELD	FIBER DIAMETER (µm)	REGION AVAILABLE
2000	250	16, 22	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.

Technical Characteristics

The following data was generated using production material SE 2350 roving - 2000 tex 16µm (250 yield).

IMPREGNATED TENSILE STRENGTH		STRENGTH (MPa)	STRENGTH (KSI)
Anhydride Epoxy Resin		2240	325

INTERLAMINAR SHEAR STRENGTH ASTM D 2344	DRY SHEAR STRENGTH (MPa)	DRY SHEAR STRENGTH (PSI)	SHEAR STRENGTH RETENTION 72 HR BOIL (%)
Anhydride Epoxy Resin	88.2	12,792	87

This information and data contained herein is offered solely as a guide in the selection of product. Published product values are typical performance estimates and may vary by manufacturing location, production run, testing method, and application. Products are tested as part of our quality processes and manufactured to applicable specifications. Actual performance may vary. We reserve the right to update published values, specifications, and product characteristics without notice. All values are provided for informational purposes only and do not guarantee performance. Customers are responsible for determining the suitability of the product for their intended use and should conduct appropriate testing and evaluation. Except as otherwise provided in applicable sales terms & conditions, no warranties of any kind, express or implied, including those of merchantability and fitness for a particular purpose.

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 that glass fiber products be stored in a cool, dry area. Recommended long-term storage conditions are temperatures between 10°C and 35°C and relative humidity between 35% and 85%. While temporary deviations may occur during storage or transportation, product performance can be confirmed through routine verification testing if exposure outside these conditions has occurred for an extended period. Glass fiber products should remain in their original packaging until the point of use. To help prevent condensation, keep product in its original, unopened packaging and allow it to naturally acclimate to the workshop temperature for at least 24 hours before opening or use. Packaging is not waterproof and should be protected from weather and other sources of moisture. Although fluctuations may occur during transportation, handling, and temporary storage, products should be maintained within the recommended storage ranges after receipt to help preserve product performance. A defined shelf life has not been established for the product when stored under recommended conditions. However, retesting is recommended after three years from the date of manufacture to help ensure optimum performance.

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