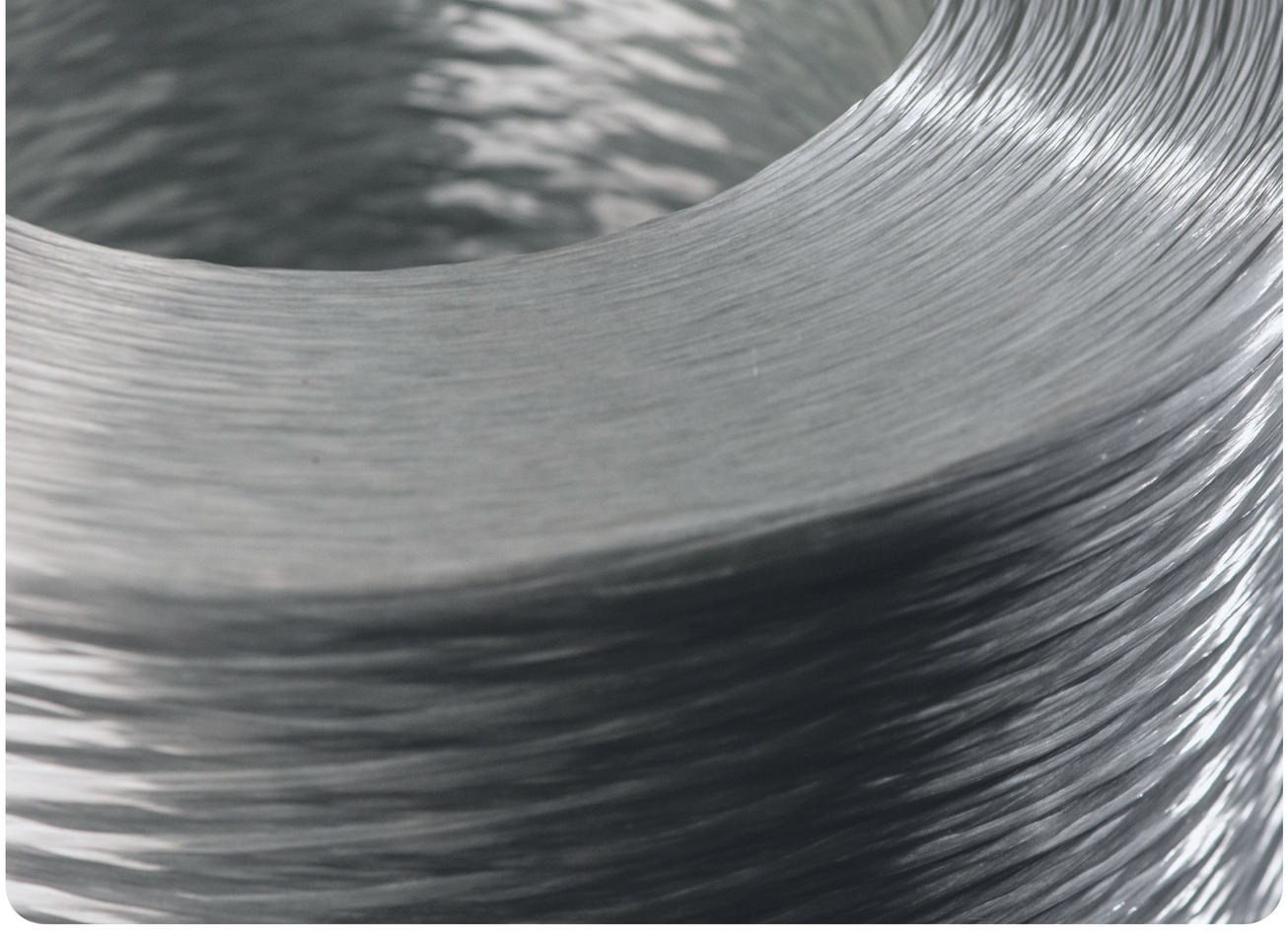
Original Composites & Fiberglass



PURESTRAND® SINGLE-END ROVING

Designed for polyurethane applications

Type 30® PureStrand is a single-end roving designed for compatibility within polyurethane resin systems. The product performs well in a variety of applications such as Filament Winding and Pultrusion.

Produced with Advantex® corrosion-resistant E-CR glass.

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 Strong Adhesion

- Fast, uniform strand wet-out leads to higher glass loading and good adhesion, resulting in optimized part production speed which supports increased productivity and better-quality finished parts.

Performs Well In A Variety Of Processes

- Flexibility for use within filament winding and pultrusion applications.

Enhanced Service Life

- Compared to standard E-glass, Advantex® glass provides longer service life in applications facing corrosion and possesses high fatigue properties.

Application

PureStrand is designed for use in pultrusion and filament winding processes for the production of infrastructure, transportation, and building and construction applications.

Technical Characteristics

The following data was generated using production material PureStrand — 4400 tex 23µm (113 Yield).

	TENSILE MODULUS (MSI)	FLEXURAL MODULUS (MSI)	SHEAR STRENGTH (KSI)
MECHANICAL PROPERTIES Polyurethane Resin	8.4	7.2	12.070

* Resin system — Rimline SK

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.

Availability & Packaging

PureStrand is manufactured in South America. Please consult with your sales representative for additional information.

TEX	YIELD	FIBER DIAMETER (µm)
2200 – 4400	225 –113	16 - 23

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.

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.

MAKE MORE POSSIBLE™

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