



158B SINGLE-END ROVING

High strength low costs

Type 30® 158B single-end roving is specifically designed for use in filament winding applications using epoxy resin where high strength is required.

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

✓ Suitable to reinforce phenolic resins.

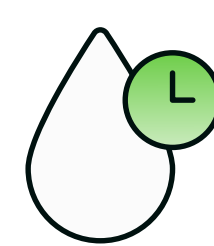
FOR EFFICIENT FILAMENT WINDING

Product Benefits



Excellent Processing

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



Fast Wet-Out

- Allows the processor to optimize part production speed, resulting in increased productivity and reduced costs.



High Burst Strength

- Excellent glass/resin bonding, which provides high burst strength in pipe or vessels.



Corrosion Resistant

- Excellent corrosion resistance with Advantex® Glass compared to standard E-glass, providing longer service life in applications facing corrosion.

Application

158B is designed for use in filament winding applications for the manufacturing of high-pressure pipe and pressure vessels where high strength and high burst pressure are required. Additional applications include CNG tanks, LPG tanks, water purification, and woven roving for ballistics (NA).



Technical Characteristics

The following data was generated using Epoxy Anhydride Resin.

MECHANICAL PROPERTIES	STRAND TENSILES: ASTM D2343		INTER-LAMINAR SHEAR STRENGTH ASTM D 2344		
	STRENGTH (MPa)	STRENGTH (KSI)	DRY SHEAR STRENGTH (MPa)	DRY SHEAR STRENGTH (KSI)	SHEAR STRENGTH RETENTION 72 HR BOIL (%)
158B 413 yield (1200 tex 17µm)	2410	350	81.9	11.9	90

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

Not all tex available in all regions.

MANUFACTURING REGION	TEX	FIBER DIAMETER (µm)
Americas	735, 1100, 2000	13 - 22
Asia Pacific	735, 1100, 1200, 2000, 2100, 2400	16 - 24

Rovings are available in a single-end internal-pull package. All individual packages are wrapped with Tack-Pak® packaging to aid package run-out and transfer. Pallets are available in bulk or Creel-Pak® pallet packaging format, depending on region. More information is available from Customer Service and Sales.

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™

US & Canada
2790 Columbus Road
Building 70
Granville, Ohio, USA 43023
+1 866 2GET GLAS

China
Room 301C+304,
1188 Minsheng Road,
Pudong, Shanghai
201705, China
+86 21 8010 3596

India (Mumbai)
7th Floor, Alpha Building,
Hiranandani Gardens
Powai, Mumbai - 400076
+91 22 6668 1700

This information and data contained herein is offered solely as a guide in the selection of product. We do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The physical and chemical properties of this product represent typical, average values obtained in accordance with stated test methods and are subject to normal manufacturing variations. The user agrees to be responsible for thoroughly testing any application of the product to determine its suitability. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation. We reserve the right to modify this document without prior notice.

Pub. No. 10025327. 158B Product Data Sheet. October 2026. English. © 2026 OCF - Original Composites & Fiberglass. All Rights Reserved.