

PIPESTRAND® S2300 SINGLE-END ROVING

**Maximize Performance,
Minimize Cost.**

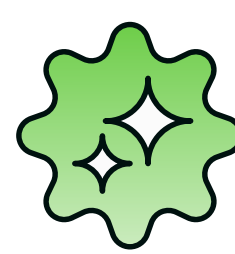
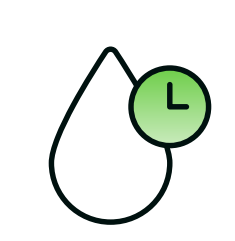


Type 30® PipeStrand® S2300 single-end roving is made for fabricators that want to reduce material cost, while increasing the performance of their filament wound products. Designed to increase production efficiency, while providing excellent hydro-thermal stability under pressurized conditions for longer service life.

- ✓ PipeStrand® S2300 single-end rovings are produced in manufacturing facilities certified to ISO 9001.
- ✓ Advantex® glass is a boron-free E-glass and an E-CR glass in accordance with ASTM D578 and ISO 2078.
- ✓ Made with corrosion resistant Advantex® E-CR glass, a Type 30® reinforcement that provides excellent corrosion resistance and increased service life in the filament-wound pipe, tank and vessel market.

FOR HIGH PERFORMANCE FILAMENT-WOUND EPOXY APPLICATIONS

Product Benefits

-  **Outstanding Mechanical Properties**
Excellent properties in both epoxy amine and anhydride curing systems; improved axial tensile strength, inter-laminate shear strength and burst stress for high performance filament wound epoxy applications.
-  **Reduced Cost**
Designed for use in filament winding, in both epoxy amine and anhydride curing systems — giving flexibility with one glass input and higher glass loading
-  **Great Strand Wet-Out**
Excellent processing range, fast wetting and smooth pipe surface.
-  **Long Service Life**
Excellent hydro-thermo stability and strength retention under pressurized conditions, leading to long service life for installed pipe.

Applications

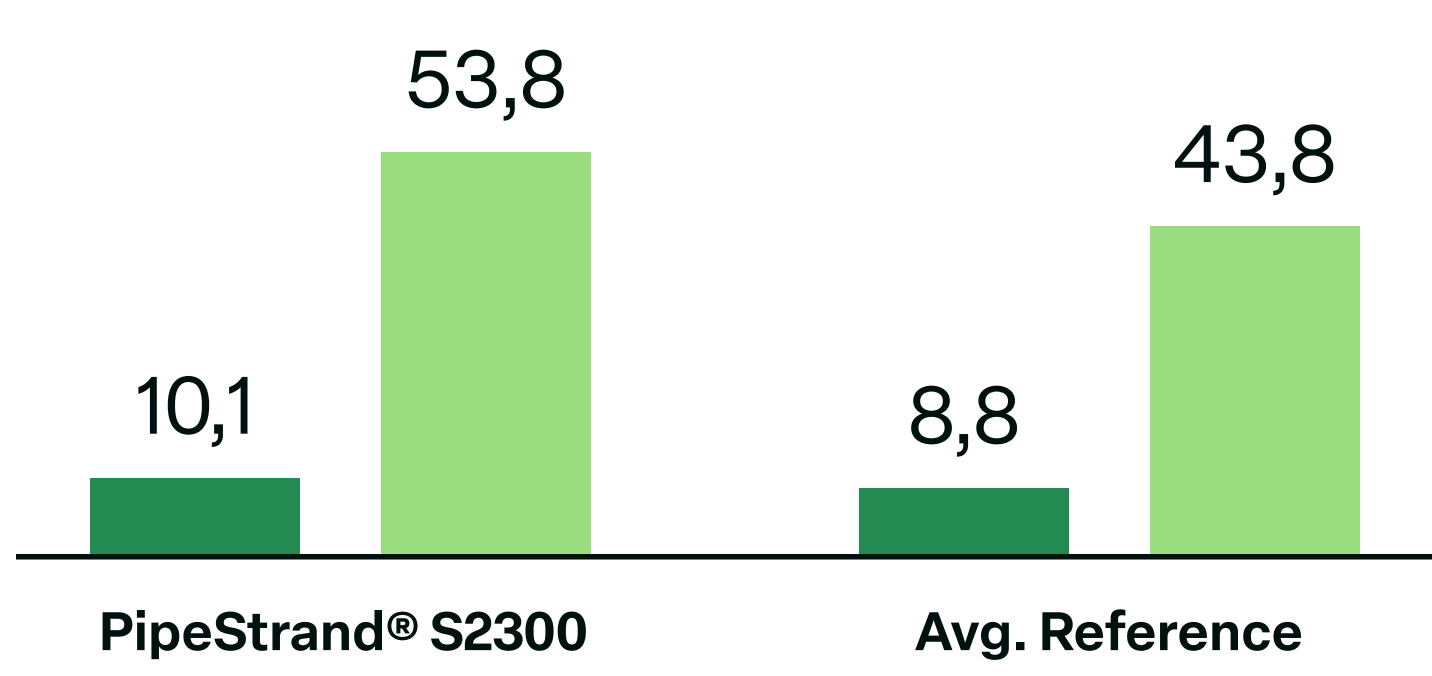
PipeStrand® S2300 roving is specifically designed to match the unique needs of the high-performance epoxy pipe market. Compatible with epoxy resin and various curing systems in the amine and anhydride families, the roving serves a variety of applications: power & energy (refineries, power plants, off-shore platforms), industrial (petrochemical), transportation (marine) and water distribution (water desalination, water treatment, sewage, etc). PipeStrand® S2300 product can meet pipe user requirements for high mechanical properties, durability, corrosion resistance, and low weight.



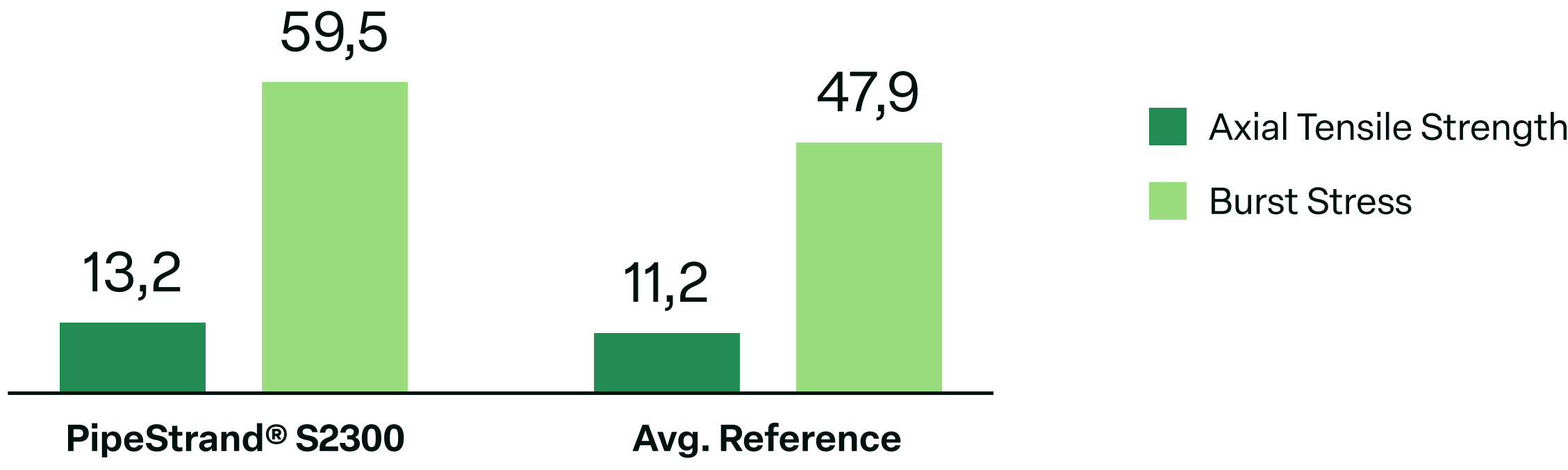
Mechanical Properties

The following data was generated comparing PipeStrand® S2300 rovings to one dozen commercially available products (that are competitive with the PipeStrand® products). The data demonstrates both axial tensile strength (ksi) and burst stress (ksi) using ASTM D5083 and ASTM D1599, respectively. PipeStrand® S2300 rovings show a 15-24% improvement over reference products in tested properties.

Aromatic Amine Epoxy Curing System (ksi)



Epoxy Anhydride Curing System (ksi)



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

TEX	YIELD	FIBER DIAMETER (µm)	REGION AVAILABLE
600	827	17	EU, AP
735	675	13, 16, 19	NA, AP
1200	413	17	EU, AP
2000	248	16, 22	NA
2400	207	17, 24	EU

Rovings are available in a single-end internal-pull package. Pallets are stretch wrapped for load stability. All doffs are wrapped with Tack-Pak™ or shrinkable film for protection during transport. 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 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

Europe (France)
767 Quai Des Allobroges
Chambery
Rhône-Alpes 73000, France
+33 4 79 75 55 52

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. 10020594-B. PipeStrand S2300 Product Data Sheet. October 2026. English. © 2026 OCF - Original Composites & Fiberglass. All Rights Reserved.