



PIPESTRAND® S2300 HP ROVING ENHANCED SERVICE LIFE

High Performance PipeStrand® S2300 HP roving enables fabricators to improve productivity and increase the service life of filament-wound pipes, tanks, and vessels.

- Made with patented, high performance E-CR glass by Owens Corning, the product provides superior mechanical properties with excellent corrosion resistance in acidic and basic environments.
- Compatible with both epoxy amine and anhydride curing systems.
- Produced in manufacturing facilities certified to ISO 9001.

PEAK PERFORMANCE FOR FILAMENT-WOUND PIPES, TANKS, AND VESSELS

Product Benefits

Outstanding Mechanical Properties

- Excellent properties in multiple curing systems.
- Improved axial tensile strength, interlaminar 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.

Excellent Processing

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

Enhanced Service Life

- Excellent hydrothermal stability and strength retention under pressurized conditions, leading to a long service life for installed pipe.

Application

PipeStrand® S2300 HP roving is designed to match the unique needs of the high performance epoxy pipe market, serving a variety of applications in power and energy (refineries, power plants, offshore platforms), industrial (petrochemical), transportation (marine), and water distribution (water desalination, water treatment, sewage, and the like.)



Technical Characteristics

The following data points were generated by comparing High Performance PipeStrand® S2300 HP to standard PipeStrand® S2300, using an aromatic amine curing system. Pipe samples were made at 60%–70% FWF at 2 inch diameter and tested accordingly.

Up to
10% IMPROVEMENT
in axial tensile strength

Test method ASTM 5083

Up to
20% INCREASE
in burst stress

Test method ASTM D1599

Up to
10% IMPROVEMENT
in impregnated
tensile strength

Test method ISO 9163

Packaging & Labeling

TEX	YIELD	REGION AVAILABLE
600	827	Europe, India
1200	413	North America, Europe, India
2000	250	North America
2400	207	North America, Europe, India

Rovings are available in a single-end internal-pull package. 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.

Each individual package is labeled with information including product name, Tex/yield, producing plant, and production date.

Storage

Glass fiber products should be stored 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, within its original packaging, 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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