

HP DUROSTRAND® SINGLE-END ROVING

Productivity & Service Life



Type 30® HP DuroStrand® single-end rovings are specifically designed to improve customer productivity, while offering high alkali resistance and enhanced modulus.

- ✓ Produced with patented and corrosion-resistant HP-Glass.
- ✓ Excellent properties for use in epoxy amine, anhydride, polyester, and vinyl ester resin systems.

- ✓ Meets ISO 2078, ISO 2797, and ASTM D 578 requirements.

FOR PULTRUSION APPLICATIONS

Product Benefits



Engineered For Multi-Compatible Resin Systems

- Designed to maximize mechanical properties.
- Flexibility for use in a variety of manufacturing processes.
- Enables higher fiber content and improved bar modulus performance to meet new industry demands.



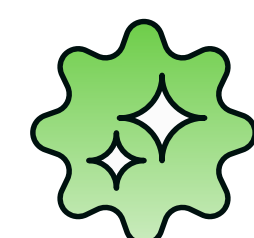
Reduced Cost

- Lower raw material costs driven by high glass loading and reduced resin consumption.
- Faster wet out results in reduced risk of excess resin use.



Increased Service Life

- Enhanced mechanical performance in applications facing alkali corrosion, compared to industry benchmark.
- Confidence in knowing products will withstand the test of time and meet rising performance standards.



Excellent Productivity

- Fastest wet-out in the market among the most commonly used single-end rovings.*
- Maximized resin adhesion and faster wet-out enable increased production speeds.

*Third-party external evaluation of a Marine structural liner showed up to a 21% reduction in time per ft² versus worst-performing fiberglass option.

Applications

Designed to achieve high performance with Epoxy, Polyester, and Vinyl Ester resin systems in a variety of manufacturing processes such as rebar pultrusion.



Technical Characteristics

DUROSTRAND® PERFORMANCE	Up to 75% Faster Wet-Out	Up to 5% Reduction in Resin Consumption	Up to 15% Higher Alkali-Resistance
CUSTOMER VALUE	Faster Line speed = Increased Productivity	Reduced Raw Material Cost	Confidence in Long-Term Composites Performance
TEST METHOD	OC Proprietary	ASTM D2584	OC Proprietary

Alkali testing performed in exposure of composite specimens tested by ASTM D2344 before and after exposure to buffered pH 13.4 NaOH/KOH solution in alignment with GOST 31938-2012. Evaluation of all products completed in an industrial-representative anhydride-hardened epoxy formulation.

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Availability & Packaging

✔ HP DuroStrand® is available in 1200, 2400, 4800 and 9600 tex in fiber diameters between 17µm and 24µm in India.

Rovings are available as 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™

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