

HP SE1200 SINGLE-END ROVING

Boost profitability



Type 30® HP SE1200 single-end roving is a compelling solution designed specifically for knitting and weaving with the versatility to work well in filament winding, pultrusion, and LFTP applications.

- ✓ Produced with patented Higher Performance glass, the product provides superior mechanical properties with the excellent corrosion-resistance expected from our Advantex® formulations.
- ✓ Multi-resin compatibility, with strong bonding in epoxy, polyester, vinyl ester, and polyurethane.

HIGHER PERFORMANCE AND PROCESS FLEXIBILITY FOR WEAVING, KNITTING, FILAMENT WINDING, AND PULTRUSION

Product Benefits



Excellent Processing

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



Multi-Process & Multi-Resin Compatibility

- Flexibility for use with standard weaving looms, multiaxial knitting machines, filament winding, and pultrusion.



Increased Productivity And Part Quality

- 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.



Reduced Cost

- Fast, uniform strand wet-out leads to higher glass loading, reducing resin demand.
- Fast wet-out also increases production speed and productivity, resulting in reduced manufacturing cost.



Enhanced Service Life

- Compared to standard E-glass, Higher Performance is an E-CR glass that provides longer service life in applications facing corrosion.

Application

HP SE1200 is designed for use in the manufacture of knitted or woven glass fabrics used for transportation applications, pultruded central strength members for fiber optic cabling, filament wound pipe, and tanks for liquid transport or energy storage.



Technical Characteristics

The following data were generated by comparing HP SE1200 to standard SE1200, using an aromatic amine/epoxy resin system and an unsaturated polyester resin system, respectively. Sample preparation and fiber weight fraction were controlled to create comparable data.

Up to

↑ 15% improvement

in Strand Tensile

Test method ASTM D2343

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Availability & Packaging

TEX	YIELD	FIBER DIAMETER (µm)	REGION
200	2475	13	North America, Europe, India
300	1654	16	
1100	450	16	
1200	413	17	
2000	248	16	
2200	225	16	
2400	206	17	
4400	113	23	
4800	103	24	

Rovings are available in a single-end internal-pull package. Pallets are stretch-wrapped for load stability and for protection to aid strand run-out and transfer. Pallets are available in bulk or Creel-Pak® pallet packaging format, depending on region.

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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