



SE1200

VERSATILITY FOR BROAD APPLICATIONS

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

- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.
- Compatible with polyester, vinyl ester, epoxy, and polyurethane resins.

Product Benefits

Excellent Processing

Smooth run-out from lower drag across contact points produces less fuzz, resulting in smoother parts, less clean-up, and improved machine efficiencies.

Multiprocess and Multi-resin Compatible

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

Fast Wet-out with Reduced Cost

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.

Enhanced Service Life

Compared to standard E-glass, Advantex® glass provides longer service life in applications facing corrosion and possesses high fatigue properties to help qualify for wind energy.

Application

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 was generated using production material SE1200 – 735 Tex (675 Yield).

MECHANICAL PROPERTIES SE1200 - 734 TEX (675 YIELD)	STRAND TENSILES: ASTM D 2343		INTERLAMINAR SHEAR STRENGTH NOL RING: ASTM D 2344		
	STRENGTH (MPA)	STRENGTH (KSI)	DRY SHEAR STRENGTH (MPA)	DRY SHEAR STRENGTH (PSI)	SHEAR STRENGTH RETENTION 72 HR BOIL (%)
Anhydride/DER 331 Epoxy Resin	2700	395	66.3	9620	99%
Polyester F701 Resin	2570	375	73.4	10650	85%

Availability & Packaging

YIELD	TEX	MANUFACTURING REGION
4961 – 2480 – 1654 – 1550	100 – 200 – 300 – 320	Americas, Europe, Asia Pacific
1288 – 1210 – 1033 – 827	385 – 410 – 480 – 600	
675 – 551 – 450 – 431	735 – 900 – 1100 – 1150	
413 – 330 – 276 – 250	1200 – 1500 – 1800 – 200	
225 – 207 – 113 – 103 – 52	2000 – 2200 – 2400 – 4400 – 9600	

Rovings are available in a single-end internal-pull package. Pallets are stretch wrapped for load stability. Each doff is wrapped for protection and to aid strand runout 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 to store glass fiber products 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 in its original packaging for 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.

It is recommended that the product be used for manufacturing in resin within 18 months. Ideal conditions are at a temperature between 8°C and 26°C and a relative humidity 70% or less.



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