



111A MAXIMIZE STRAND WET-OUT

111A single-end Type 30™ roving is specifically designed to maximize strand wet-out and optimize processing and handling characteristics in a wide variety of applications.

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

FOR KNITTING, WEAVING, AND FILAMENT WINDING

Product Benefits

Excellent Processing

- Features easy unwinding and excellent package run-out for uniform dispersion with low fuzz and static, which means less cleanup and better machine efficiencies.

Multi-resin Compatibility

- Designed for excellent adhesion with polyester, vinyl ester, and epoxy resin systems.
- Multi-compatibility allows a change in resin systems without the need for the time-consuming effort of changing glass in the creel.

Enhanced Service Life & Durability

- Compared to standard E-glass, Advantex® glass helps with enhanced service life in applications facing corrosion.

Potable Water Compliant

- Meets regulations as suitable for water distribution in both civil and industrial applications***

*** Only L'Ardoise produced product meets water compliance

Application

111A is designed for versatility in several processes such as knitted or woven fabrics, inputs for multiaxial fabrics, filament winding, and pultrusion. Industries include building and construction, power generation, and consumer durable goods.



Mechanical Properties

The following data was generated using production material 111A 450 yield (1100 Tex).

STRAND TENSILE: ASTM D2343	STRENGTH (MPA)	STRENGTH (KSI)
Anhydride/DER 331 Epoxy Resin	2560	370
Polyester f70 Resin	2500	360

INTERLAMINAR SHEAR STRENGTH NOL RING: ASTM D2344	DRY SHEAR STRENGTH (MPA)	DRY SHEAR STRENGTH (PSI)	SHEAR STRENGTH RETENTION 72-HOUR BOIL (%)
Anhydride/DER 331 Epoxy Resin	69.8	10130	96
Polyester f70 Resin	62.1	9010	87

Availability & Packaging

111A is available in North America, Europe, and Asia Pacific. Not all Tex is produced in all regions. Additional weights and widths may be available upon request by contacting your Owens Corning representative.

TEX

200 - 275 - 300 - 320 - 408 - 410 - 480 - 600 - 740 - 900 - 1200 - 2400 - 4800 - 8800

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 run-out and transfer. Pallets are available in bulk or Creel-Pak™ pallet packaging format, depending on the region. More information is available from your Owens Corning representative.

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 packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. 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. If these conditions are maintained, the glass fiber product should not undergo significant changes when stored for one year. When stored properly, there is no known shelf life to the product, but retesting is advised after three years from the initial production date to ensure optimum performance.



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