OCV™ Reinforcements

PRODUCT INFORMATION

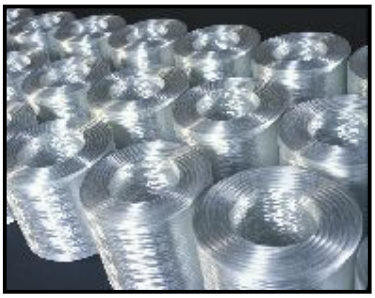
SE 1500

Single-End Roving for Weaving and Knitting

PRODUCT DESCRIPTION

Single-End Rovings are produced by pulling individual fibers directly from the bushing and winding them onto a roving package ready for shipment. The uniform distribution of a proprietary sizing system ensures an excellent resin-to-glass binding through uniform distribution of the binding agent.

Single-End Rovings are manufactured using the T30® Roving state-of-the-art technology of OCV™ Reinforcements, in conjunction with statistical process control in manufacturing facilities certified to ISO 9001.

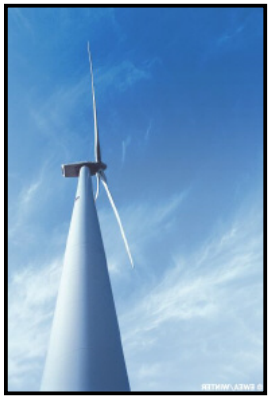


PRODUCT APPLICATION

SE 1500 is specially designed for use in weaving and knitting operations where end use applications contain epoxy resins (anhydride and amine systems). It is not recommended to use SE 1500 Single-End Roving with non-epoxy resins.

SE 1500 is designed for applications such as woven, knitted, and multi-axial fabrics or pre-pregs, where enhanced fatigue performances are needed, such as automotive leaf springs and windmill blades.

SE1500 is also suitable for use in filament wound pipe, tubes or tanks



FEATURES AND PRODUCT BENEFITS

• Excellent processing	• Low fuzz properties which equate to low clean-up and high machines efficiencies • Excellent package run out and transfer with Tack-Pak® packaging
• Multi-process compatible	• For use on standard weaving looms as well as multi-axial knitting machines • Also suitable for filament winding and pultrusion,
• Excellent strand opening and spreading	• Fast wet-out and high resin pick-up equating to increased quality in parts visual aspect after molding
• Designed for epoxy resin compatibility • Excellent laminate strength and fatigue properties	• Provides high fatigue properties allowing this product to be qualified for wind energy.
• Available globally	• Global manufacturers can use product in all regions resulting in lower design and qualifications costs.

SE 1500

Single End Roving for Weaving and Knitting

PRODUCT AVAILABILITY

Yield	Tex
825, 413, 207	300, 600, 900, 1200, 2400, 4800

MECHANICAL PROPERTIES

The following data was generated using production material SE 1500 – 1200 Tex (413 Yield)

Strand Tensiles : ASTM D 2343	Strength (MPa)	Strength (Ksi)
Amine IPDA/ Epon 826 Epoxy resin	2430	350

Interlaminar Shear Strength NOL ring : ASTM D 2344	Dry shear strength (MPa)	Dry shear strength (psi)	shear strength Retention 72 hr boil (%)
Amine IPDA/ Epon 826 Epoxy resin	62.7	9100	96%

PACKAGING

Rovings are available in a single-end internal-pull package. Each pallet weighed about 1 ton. Pallets are stretch wrapped for load stability. All doffs are wrapped with Tack-Pak® or shrinkable film for protection during transport. Full doffs are available in weights between 20 kg (45 lb.) and 27 kg (60 lb.), and they can be packaged in bulk or Creel-Pak® format. More information is available in the Customer Acceptance Standards.

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. If these conditions are maintained, the glass fiber product should not undergo significant changes when stored for one year. Beyond one year after delivery, the product might evolve, specifically if stored outside the recommended conditions.

Best storage conditions are temperatures between 22ºC and 23ºC, and humidity between 60% and 65%.

The product should be stored in the workshop, within its original packaging, 48 hours prior to its utilization.

Contact:
SingleEndRovings.ocvamericas@owenscorning.com **SingleEndRovings.ocvmea@owenscorning.com** **SingleEndRovings.ocvap@owenscorning.com**

OCV™ Reinforcements

OWENS CORNING
COMPOSITE MATERIALS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1.800.GET.PINK™
www.owenscorning.com
www.ocvreinforcements.com

EUROPEAN OWENS CORNING
FIBERGLAS, SPRL.
166, CHAUSSÉE DE LA HULPE
B-1170 BRUSSELS
BELGIUM
+32 267 48211

OWENS CORNING
OCV ASIA PACIFIC
SHANGHAI REGIONAL HEADQUATERS
2F OLIVE LVO MANSION 620 HUA SHAN ROAD
SHANGHAI 200040
CHINA
+86 262 489 922