



K247

Spun Roving for Pultrusion and Weaving

PRODUCT DESCRIPTION

Spun roving is made by assembling E-glass basic strands. Several basic strands are structured into loops which form the roving. In order to strengthen the construction of this roving, it is braided by another basic strand.

Spun roving has a sizing system with a silane coupling agent. Spun roving is compatible with epoxy, unsaturated polyester and vinylester resins.

PRODUCT APPLICATIONS

Spun roving is especially designed for applications requiring additional reinforcement in the transversal direction: pultrusion of profiles, weaving for shipbuilding, etc.

PRODUCT REFERENCE

- Example : EC 4000 K247
- E : glass type
- C : type of process (continuous)
- 2800 : nominal linear weight of roving (tex)
- K247 : OCV™ Reinforcements code for sizing system



FEATURES AND PRODUCT BENEFITS

- Good ability to take up complex shapes of profiles by extrusion
- Good surface aspect on composites
- Homogeneous structure; should allow a normal unwinding of the rovings
- Even glass / resin distribution

VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

- The rovings have the form of cylindrical cheeses with straight sides and plain faces
- The color of the rovings should be regular and white
- Breaks in the basic strands are not glued, but are joined by intermingling the fibers with each other
- When the rovings are chopped, they should open up into the basic strands in order to obtain a good dispersion of the filaments
- Rovings should not contain significant defects (spots, damages, deformations, accumulations of strands) which would affect their use, or which would reduce the value of the final product

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

LINEAR WEIGHT (TEX)	LOSS ON IGNITION (%)	MOISTURE (%)
ISO 1889: 1987	ISO 1887: 1908	ISO 3344: 1977
1800 / 2800 / 4000	0.60	< 0.15

K247

Spun Roving for Pultrusion and Weaving

PRODUCT AVAILABILITY (STANDARD REFERENCE)

REFERENCE	CHARACTERISTICS OF CHEESES			
	Diameter (mm)		Height (mm)	Net Weight (kg)
Internal	External			
EC 1800 K247	75	220	260	11.5
EC 2800 K247	75	220	260	11.5
EC 4000 K247	75	280	260	19.0

PACKAGING

Each K247 roving is protected and packed into a polyamid plastic bag and identified with an individual label.

Reference	Cheese Diameter (mm)	Pallet Dimensions L X W (cm)	Levels Per Pallet	Cheeses Per Level	Total Number of Cheeses	PALLETS	
						Approx. Height (cm)	Net Weight* (kg)
EC18400/2800/4000 K247	220	114 x 114	4	25	100	120	1150
	280	114 x 114	4	16	64	120	1216

* Add 50 kg to obtain gross weight.

LABELING

- Each cheese shall bear a label that mentions the product reference and the net weight.
- Each pallet shall bear a label that gives the following information: product reference, control number, net weight, production date

STORAGE

- K247 roving should be stored dry and in its original packaging. The best conditions are temperature between 15 and 35°C and at a relative humidity between 35 and 85%. If the product is stored at low temperature (below 15°C) it is advisable to condition it in the workshop, for at least 24 hours before use, to prevent condensation.
- Static stacking of the pallets is possible up to two high (1/1). The product can be stacked one plus one but it is recommended to use a plywood plate between the two pallets in order not to damage the lower pallet.

Contact

MultiEndRovings.ocvamericas@owenscorning.com

MultiEndRovings.ocvemea@owenscorning.com

MultiEndRovings.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
+32.2.674.82.11

**OWENS CORNING - OCV ASIA PACIFIC
SHANGHAI REGIONAL HEADQUARTERS**
2F OLIVE LVO. MANSION
620 HUA SHAN ROAD
SHANGHAI 200040
CHINA
+86.21.62489922

This information and data contained herein is offered solely as a guide in the selection of a reinforcement. The information contained in this publication is based on actual laboratory data and field test experience. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application to determine its suitability before committing to production. It is important for the user to determine the properties of its own commercial compounds when using this or any other reinforcement. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law safety code or insurance regulation.