



TECHNICAL DATA

E-Glass Woven Roving Fabrics

DESCRIPTION

Orca Woven Roving Fabrics are composed of direct roving woven into a fabric or tape. The input rovings are designed to give controlled wet-out and excellent laminate properties. The construction gives bi-directional (0°/90°) reinforcement and the strength of continuous filaments. Woven Roving Fabrics are designed to be compatible with multiple resin systems, and can be customized to meet specific product requirements.

PRODUCT REFERENCE

EXAMPLE: PRODUCT NAME
 XXXXXXX: Orca Product Code
 600: Fabric Area Weight (g/m2)
 1000 Roll Width (mm)

APPLICATIONS

Orca Woven Roving Fabrics provide high-quality, global products designed to meet your performance and cost requirements. Woven Roving Fabrics provide the most economical solutions for raising glass content of laminates and increasing laminate stiffness and impact resistance without adding thickness, weight, or other non-reinforcing materials. The fabric delivers cost-effective solutions to your competitive reinforcement challenges, particularly large parts such as boat hulls and high-durability laminates such as underground storage vessels.

LABELING

Each pallet has two identification labels detailing the product reference, the net and gross weights in Kg, packaging and product code, identification code of the palletized unit, batch number.



STORAGE

The Woven Roving Fabric should be stored in its original packaging in a dry and cool place. Best conditions are at a temperature from 5 to 35°C and humidity between 35 – 85%. If you store the product at lower temperatures, please move the soon to be processed pallets to the production area 24 hours ahead of item; remove part of the protective cover of each roll to prevent condensation. You can stock pallet one on one with a plywood plank between the two.

FEATURES

- Economical, multi-use fabric
- Consistent glass loading
- Excellent dimensional stability
- Regular porosity
- Assorted weave patterns and preferential fiber loading
- Crimp engineered for end-use

PRODUCT BENEFITS

- Lower finished part cost
- Excellent laminate properties and cost-effective reinforcement
- Ease of handling and drape ability
- Rapid wet-out and fast application
- Design flexibility and engineered strain values
- High impact response

TECHNICAL CHARACTERISTICS (nominal values)

Product No.	Glass type	Warp/Weft Tex	Warp Density Ends/in	Weft Density Ends/in	Area Weight oz/yd ²	Pattern	Standard Width	
	E	180/180	15.24	12.70	6	Plain	39.5	50
	E	300/300	11.68	10.41	7.8	Plain	39.5	50
	E	300/380	12.70	10.16	9	Plain	39.5	50
	E	600/900	8.13	4.57	10.8	Plain	39.5	50
	E	1200/1200	5.59	5.08	15	Plain	39.5	50
	E	1200/1200	6.60	6.35	18	Plain	39.5	50
	E	2400	4.57	4.57	24	Plain	39.5	50

Other specification is available in customer request.

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ORCA E-GLASS WOVEN ROVING FABRICS

TECHNICAL PARAMETERS

Area Weight (%)	Moisture (%)	Combustible (%)	Warp and Weft Density (%)	Width (Max.)
ISO 3374	ISO 3344	ISO 1887	ISO 4602	ISO 5025
± 5	≤0.20	0.40-0.70	± 5	± 1%

PRODUCT AVAILABILITY

All range of widths (between 10 and 260 cm) and weights are available. Most combinations of weights and widths can be supplied (may be subject to minimum order quantities, extended lead times and complementary widths).

Standard Weight (g/m ²)	Standard Width (cm)	Diameter (cm)	Length (m)	Weight (kg)
600	100 / 125	22	(if width 100) 67m	40
800			(if width 100) 50m	40

PACKAGING (Standard ref.)

Each roll is wound up on a cardboard tube and packaged in an individual cardboard box, 22 x 22 (L x W); the height is equal to the width of the roving. 25 standard rolls are packed vertically on a pallet, secured by shrink-wrap polythene. The pallet is wrapped with polyamide straps.

Roll Width (cm)	Pallet Dimensions L x W x H (cm)	Net Pallet weight (kg)	
100	112 x 112 x 115	600g/m ²	800g/m ²
		1000	1000

Number of rolls per pallet = 25 vertical – Pallet height is equal to woven roving width +15 cm.

The Pallet is wrapped with polyamide straps.

Special Packaging: Strips are packed in cardboard boxes of palletized according to the quantity.

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