



Woven Roving WR

This product is made with Advantex® glass fibres. Advantex glass combines the excellent mechanical and electrical properties of traditional E-Glass with the acid corrosion resistance of E-CR Glass. Advantex glass satisfies the requirements and description of both E-Glass and E-CR Glass according to ISO 2078 and ASTM D578.

PRODUCT DESCRIPTION

WR is composed of direct rovings 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 APPLICATION

OCV™ Woven Roving Fabrics provide high-quality, global products designed to meet your performance and cost requirements. Woven Roving Fabrics provide the most economical solution 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.

PRODUCT REFERENCE

Example : WR 610 1000
WR : Woven roving
610 : Mass per unit area (g/m²)
1000 : Roll width (mm)



Woven Roving

WR

TECHNICAL CHARACTERISTICS

STD. WIDTH (MTS)	LOSS ON IGNITION (%)	MOISTURE (%)
1.00	0.4 - 0.8	0.5 MAX.

PRODUCTS AVAILABLE

Standard references	Avg. mass per unit area (g/m ²)
WR	360
	610
	800

LAMINATE CHARACTERISTICS

PROPERTY	VALUE	TEST METHOD
Glass content (%)	50	BS 2782
Tensile Strength (Mpa)	90-120	BS 2782
Tensile Modulus (Gpa)	6-7	BS 2782
Flexural Strength (Mpa)	190-210	BS 2782
Flexural Modulus (Gpa)	6-7	BS 2782
Barcol hardness	40	-

PACKAGING

WR is wrapped in a polyethylene bag and packed in a cardboard box.



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STORAGE CONDITIONS

Woven Rovings should be kept in their original packaging and stored in a sheltered area. The optimal conditions are :

- ⇒ Temperature between 10 and 45 °C inclusive,
- ⇒ Relative humidity level between 35% and 85 % inclusive.

Note : If the storage temperature is less than 15 °C, it would be advisable to put the pallets in the processing area for 24 hours before use. This is to avoid condensation. It is recommended that products be consumed using a first in, first out method within 12 months of delivery.



INNOVATIONS FOR LIVING[™]

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