

PRODUCT DATA SHEET

EICOROV - 510 MC series is a multi-compatible single-end roving consisting of continuous **E-CR** glass fibers manufactured by the direct draw process and winding them on cylindrical package. The roving is treated with a special sizing system based on silanes which provides excellent performance with a wide variety of thermoset resins such as polyester, vinyl ester, epoxy etc.

These rovings are designed to be used in filament winding, pultrusion and weaving processes. The roving has superior resistance to abrasion during processing and produces laminates with high mechanical and superior corrosion resistance properties.

EICOROV - 510 MC series roving is designed to provide:

- fast and uniform wet-out
- optimum unwind performance from creels
- good and smooth run ability through mechanically guided roving systems
- low fuzz and low static electricity
- excellent strength properties and laminate stiffness in composite matrices.
- superior corrosion resistance Vs standard E-glass

PRODUCT DATA

Property	Value	Specification	Standard
Type of Glass	E-CR*		ISO 2078
Resin Compatibility	Polyester, Vinyl Ester		
Sizing Type	Silane		
Moisture Content (%)	0.1	≤0.2%	ISO 3344
Size Content (% Weight)	0.48	±0.15	ISO 1887
Available Tex (g/1000m)	300 600 1200 2400 4800	±8%	ISO 1889
Filament Diameter (nom. value) (μ)	14 14 17 17/24 24	±1	ISO 1888
Package Size / Weight	Cylindrical 27.5 cm (nom. dia.) x 26 cm (H) / 18 kg. (nom.) ± 1.5kg		
Pallet Weight	864 / 1152 kg (nom.)		
Pallet Configuration	3 / 4 layers of 16 packages, stretch wrapped, top & bottom protected		
Pallet Dimensions	114cm (L) x 114cm (B) x 13.5cm (H)		

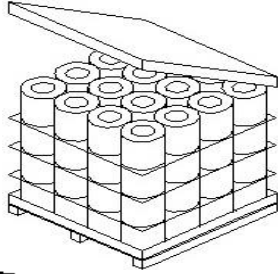
* E-CR = Electrical and Chemical Resistant

EASTERN INDUSTRIAL COMPANY (EICO)

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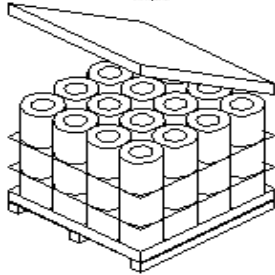
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PACKAGING & LABELLING

Individual doffs are plastic film wrapped with top central opening and unwinding from inside. The packages are packed in three or four layers on wooden/plastic pallets with top and bottom cardboard trays for protection and stretch wrapped to provide stability.



STORAGE

It is advised to store glass fiber products in cool, dry area with temperature less than 35 °C and relative humidity below 75%. Prior to use the product should be kept in original packing to avoid contamination with dust. During usage the products should be stored in the shop floor in the original packaging condition for at least 48 hours. This will allow the product to attain the shop floor temperature conditions and also prevent moisture condensation.

There is no known shelf life for the product when stored properly. However it is recommended to retest the product in case the product is not used within three years from the date of manufacturing to ensure optimum properties.

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The above information is provided solely as a guide in selection of reinforcement. EICO believes the information provided to be reliable and does not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. Before committing to production the user agrees to be responsible for thoroughly testing any application and determine the properties of its own commercial compounds when using this or any other reinforcement. EICO makes no warranty of any kind.



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