



M5

Chopped Strand Mat for Hand-Lay Up

PRODUCT DESCRIPTION

This product is produced using Advantex® glass fiber. Advantex® glass fiber combines the electrical and mechanical properties of traditional E-glass with the acid corrosion resistance of E-CR glass.

M5 chopped strand mat is made from Advantex® Glass Roving chopped strands. They are held together by an emulsion binder, soluble in styrene, which gives the M5 excellent compatibility with UP resins. The basic strand offers a sizing that contains a silane coupling system.



PRODUCT REFERENCE

Example :M5 450-130 1B

M5 : OCV™ Reinforcements code for this chopped strand mat
450 : nominal weight (g/m²)
130 : roll width (cm)
1B : number of trimmed edges (zero, one or two)

FEATURES AND PRODUCT BENEFITS

- Good tensile strength, ease handling
- Easy impregnation, fast-wet-through and de-airing
- Low resin consumption
- High mechanical properties of the laminate
- Good drapability
- Approved by Lloyd's Register
- Approved by Det Norske Veritas
- Approved by Croatian Register

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

WEIGHT (G/M ²)	LOSS ON IGNITION (%)	MOISTURE (%)
ISO 3374: 2000	ISO 1887: 1995	ISO 3344: 1997
80 ± 20%	5,2 ± 40%	0.3
100 ± 20%	5,0 ± 40%	
120 ± 20%	4,8 ± 40%	
300 ± 20%	4,5 ± 40%	
450 ± 20%	4,0 ± 40%	
600 ± 20%	4,0 ± 40%	

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VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

- Unbound edges
- Unopened strands
- Holes (>40mm) or tears
- Accumulation of fibres (>40 mm)
- Dirt spots (greater than 5 mm)

Each 100 m2 chopped strand mat roll section may contain at most 10 of the defects listed above.

PRODUCT AVAILABILITY (ROLL CHARACTERISTICS)

STANDARD WEIGHT (G/M ²)	STANDARD WIDTH (CM)	DIAMETER (CM)	LENGTH (M)	WEIGHT (KG)
300	92/125	36	150	41/56
450			110	46/62
600			85	67/64

The M5 additional weights (from 80 to 900 g/m²), and widths (from 15 to 300 cm) are available upon request.

A roll is considered to be complete if it measures more than 70% of the nominal length.

PACKAGING

- Each roll is wound up to a cardboard tube (internal diameter 101 mm), packaged in an individual cardboard box, 40 x 40 cm (L x W) and placed in an individual cardboard box, 37 x 37 x 94 or 127 cm. A pallet is made up of 9 standard rolls, packed vertically and secured with shrink-wrap polythene.

MAT WIDTH (cm)	PALLET DIMENSIONS L x W x H (cm)	NET PALLET WEIGHT (KG)			
		255 g/m ²	300 g/m ²	450 g/m ²	600 g/m ²
125	114 x 114 x 146	531	504	558	576
92	114 x 114 x 114	391	369	414	423
125	130 x 114 x 89*	354	337	371	382

- Number of rolls per pallet = 9 vertical - Pallet height is equal to mat width + 17 cm.
- The pallet is wrapped with polyamide straps.
- Special packaging: strips are packed in cardboard boxes of palletized according to the quantity.

LABELING

Each pallet has two labels with this information: product reference, net and gross weight in kg, packaging and product code, identification code of the palletized unit, production date.

STORAGE

The M5 mat should be stored in its original packaging in a dry and cool place. Best conditions are at temperature from 10 to 35°C and humidity between 35 and 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 time; remove part of the protective cover of each roll to prevent condensation. You can stock pallets one on one with a plywood plank between the two.

Contact

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