



M113

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.

The M113 chopped strand mat is made with low size strands of Advantex® Glass Roving, held together by a powder binder which is extremely soluble in styrene.

The basic strand has a sizing system containing a silane coupling agent. This multi-purpose mat is used in numerous applications; this explains the extensive range of weights and widths available.

PRODUCT REFERENCE

Example : M113 300-130 1B
M113 : OCV™ Reinforcements code for this chopped strand mat
300 : roll weight (g/m2)
130 : roll width (cm)
1B : number of trimmed edges (zero, one or two)



PRODUCT APPLICATION

- Good surface appearance
- Continuous laminating (translucent panels, exterior panels for truck trailers, sandwich panels, etc..)
- Anti-corrosion applications.

FEATURES AND PRODUCT BENEFITS

- Excellent compatibility with polyester resins, producing laminates with very high clarity (without any appearance of the strand pattern)
- Very high smoothness of the laminate surface with no visible strands
- Excellent compatibility with vinylester and epoxy resins.
- Approved by Lloyd's Register
- Approved by Det Norske Veritas

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

WEIGHT (G/M2)	LOSS ON IGNITION (%)	MOISTURE (%)
ISO 1889	ISO 1887	ISO 3344
100 ± 16%	10.5 ± 40%	0.2
150 ± 16%	8 ± 40%	
300 ± 16%	4.5 ± 40%	
450 ± 16%	3.5 ± 40%	
600 ± 16%	3.2 ± 40%	

VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

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

Each 100 m2 roll of chopped strand mat section may contain at most 6 of the defects listed above.

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PRODUCT AVAILABILITY

All range of widths (between 10 and 320 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	WEIGHT (KG)
300	130/125	40	220	86
450			150	88
600			110	86

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

PACKAGING

- Each roll is wound up on a cardboard tube (internal diameter 101 mm) and packaged in an individual cardboard box, 40 x 40 (L x W); the height is equal to the width of the mat. Nine standard rolls are packed vertically on a pallet, secured by shrink-wrap polythene. The pallet is wrapped with polyamide straps.

MAT WIDTH	PALLET DIMENSIONS	NET PALLET WEIGHT (KG)	PALLET DIMENSIONS L X W X H (CM)	APPROXIMATE NET WEIGHT (KG)
(cm)	L x W x H (cm)	300 g/m ²	450 g/m ²	600 g/m ²
130	120x120x147	702	738	702

- 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 identification labels detailing the product reference, the net and gross weights in Kg, packaging and product code, identification code of the palletized unit, production date.

STORAGE

The M113 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 in between the two.

Contact

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