



M153

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 M153 chopped strand mat is made with large or high 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 sizing system of the strands and the nature of the binder also make M153 suitable for use with epoxy, vinylester and anti-corrosion resins.



PRODUCT REFERENCE

Example: M153 375-1300 1B

M153 : OCV™ Reinforcements code for this chopped strand mat

375 : roll weight (g/m2)

180 : roll width (cm)

1B : number of trimmed edges (zero, one or two)

FEATURES AND PRODUCT BENEFITS

- Good drapability
- Very easy impregnation
- Chopped strand mat specially designed to increase the manual laminated productivity in big surfaces (coachbuilders, etc)
- High tensile strength, suitable for filament winding or continuous laminating
- Very good de-airing

TECHNICAL CHARACTERISTICS (NOMINAL VALUES)

WEIGHT (G/M2)	LOSS ON IGNITION (%)	MOISTURE (%)
ISO 3374: 2000	ISO 1887: 1995	ISO 3344: 1997
375 ± 20%	3.5 ± 40%	0.2
450 ± 20%	3.2 ± 40%	
600 ± 20%	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 15 and 320 cm) and weights between 80 and 900 g/m² 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)
375	2800	35	122	128
450				

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)	
(cm)	L x W x H (cm)	370 g/ m ²	450 g/m ²
130	120x120x(130 + 17)	536	642

- 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 M153 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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