



PRODUCT INFORMATION

M103

Chopped Strand Mat

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 M103 chopped strand mat is made with very 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; M103 chopped strand mat is used in the reinforcement of polyester, vinyl ester and epoxy resins by contact moulding and continuous machine lamination.

Its very low strand tex enables higher resin pick up and as a result it is particularly appreciated in manufacture of high quality flat panels where a very good aspect is required, as a surfacing mat and in mould making.

Advantex® glass is a patented glass formulation meeting ASTM D578 as a boron-free corrosion resistant E-CR glass fiber and ISO 2078 recommendation for use in acid environments.

PRODUCT APPLICATIONS

- Very 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)
- Best smoothness of the laminate surface with no visible strands
- Excellent compatibility with vinylester and epoxy resins.



PRODUCT REFERENCE

Example : M103 300-125 1ST
 M103 : Owens Corning code for this chopped strand mat
 300 : surface weight (g/m²)
 125 : roll width (cm)
 1ST : number of trimmed edges (zero, one or two)

TECHNICAL CHARACTERISTICS (nominal values)

Surface Weight (G/M ²) ISO 3374:2000	Loss on Ignition (%) ISO 1887:1995	Moisture Max Value (%) ISO 3344:1997
225 ± 16%	10.5 ± 40%	0.2
300 ± 16%	4.5 ± 40%	
375 ± 16%	3.8 ± 40%	
450 ± 16%	3.5 ± 40%	
600 ± 16%	3.2 ± 40%	

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VISUAL CHARACTERISTICS

- 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.

PRODUCT AVAILABILITY (standard ref.)

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	125/130	39	220	86
450			150	88

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 wrapped up individually; the height is equal to the width of the mat.
- The pallet is wrapped with polyamidestraps.
- Number of rolls per pallet = 9 vertical.

Product	Mat Width (cm)	Pallet Dimensions LxWxH (cm)	Net Pallet Weight (kg)
300 g/m ²	125	120x120x147	700
450 g/m ²	125	120x120x147	730

- Special packaging: - strips are packed in cardboard boxes of palletized according to the quantity.
- Rolls higher than 2 m are placed in a wooden cage

LABELLING

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 M103 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.

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