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TDS

FOR Chopped Strand MAT

Technical Data Sheet

[Product Description]

E-glass chopped strand mat is a non-woven glassfiber mat,product manufactured by spreading continuous filament roving of 50mm in length randomly in combination with polyester binder in powder form or other binder in emulsion form.

This products are compatible with unsaturated polyester、 vinyl ester、 epoxy and phenolic resins.

It is suitable for hand lay-up FRP,filament winding and compression molding processes,the typical end –use applications include automotive ceiling upholstery ,ship body,electric insulator ,sanitary ware, seats,anti-corrosive pipe,storage tank ,cooling tower, water tank,leaves of wind powder generation and so on .



[Product Reference]

Example: CSM 300-1250 P

CSM : Chopped Strand Mat

300 : Area weight (g/m²)

1250 : Roll width(mm)

P : Powder mat (E = Emulsion mat)

[Product Features and Benefits]

- Good resistance to watering and chemical agents in anti-corrosion applications
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- High tensile strength, suitable for filament winding or continuous laminating
- Easy impregnation approved by DNVs Register.
- Excellent clarity of the UP laminates

[Technical Specifications(normal values)

R2O Content	<0.8%
Filament diameter	11µm-13µm
Width	± 5 mm

[Technical Characteristics]

AreA Weight(g/m ²)	LOI Content (%)	ISO 1887: 1995	Tension Strength	Moisture – Max Value(%)
ISO3374:2000	Emulsion	Powder	ISO3342:1995	ISO3344:1997
150 ± 8%	4.3-8.0	4.0- 8.5	≥80	≤0.2%
300±8%	2.9-4.5	2.2-3.9	≥120	≤0.3%
450±8%	2.7-4.3	2.1-3.5	≥120	≤0.3%
600±8%	2.4-3.8	2.0-3.2	≥150	≤0.3%

VISUAL CHARACTERISTICS OR POSSIBLE DEFECTS

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

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

[Product Roll Characteristics]

Wanda provide area weights (from 100 to 900 g/m²) and widths (from 150 to 3400 mm) are available upon request.

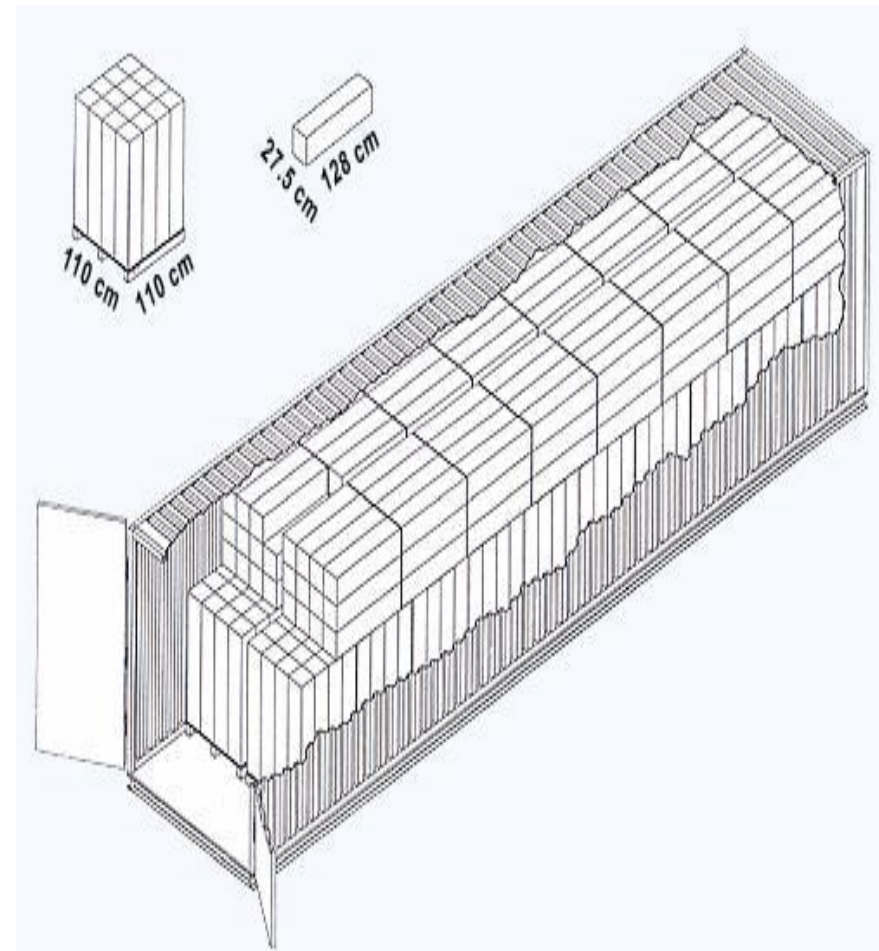
Standart weight (g/m ²)	Paper corn (mm)	Width (mm)	Roll Weight (kg)
150(E and p)	76	1040/1250	28/34
300(E and P)	76	1040/1250	35/42
450(E and P)	76	1040/1250	35/42
600(E and P)	76	1040/1250	35/42

Noticed: P=powder E=Emulsion

[Packing and Loading]

- Each roll is wound on a paper tube (internal diameter 76mm) and packaged in an individual cardboard box 285 x 285 x 1280(L x W xH);
- Sixteen standard rolls are packed vertically on a pallet, secured by shrink-wrap polythene. The pallet is wrapped with polyamide straps.
- The roll is wrapped up with plastic film, and then packed in carton. All cartons are recyclable.

Special packaging: Some product like big width roll mat packing with Wooden frame box.



[Labeling]

Each roll has one label with this information: product Description, product code, Area weight, Net and Gross weight, production date.
Or special labels requested by the customer

[Storage]

- Unless otherwise specified, fiberglass products should be stored in a dry, cool and rain-proof area. The room temperature and humidity should be always maintained at 15°C~35°C and 35%~65% respectively. If you store the product at lower temperatures, please move the soon-to-be-processed pallets

- To ensure safety and avoid damage to the product, the pallets should not be stacked more than three layers high. When the pallets are stacked in 2 or 3 layers, special care should be taken to correctly and smoothly move the top pallet.

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