

CSM100-1400 EMULSION MAT FOR ANATOMOBILE

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 100-1040 E

CSM : Chopped strand mat

100 : Unit weight (g/m²)

1400 : Roll width(mm)
E : Emulsion Binder mat

[Product Features and Benefits]

- Good drapability
- Easy impregnation
- Approved by Det Norske Veritas
- Approved by Croatian Register
- Good resistance to watering and chemical agents in anti-corrosion applications
- Approved by Lloyd's Register
- High tensile strength, suitable for filament winding or continuous laminating
- Excellent clarity of the UP laminates

[Technical Specifications(normal values)

R2O Content	<0.8%
Filament diameter	11µm-13µm
Moisture	≤0.3%
Tension Strength	≥150

[Technical Characteristics]

WEIGHT(G/M ²)	LOSS ON IGNITION (%)	MOISTURE - MAX VALUE(%)
ISO3374:2000	ISO 1887: 1995	≤0.3
450±15%	3±1.5	
300±15%	3.5±1.5	

VISUAL

CHARACTERISTICS OR POSSIBLE DEFECTS

- Unbound edges
- Holes (> 40mm) or tears
- Dirt spots (greater than 5 mm)
- Unopened strands
- Accumulation of fiber (>40mm)
- Each roll of chopped strand mat section may contain at most six of the defects listed above.

[PRODUCT AVAILABILITY (ROLL CHARACTERISTICS)]

Additional weights (from 100 to 900 g/m²) and widths (from 15 to 320 cm) are available upon request.

Standart weight (g/m ²)	Standart width(mm)	Diameter(mm)	Roll length(mm)	Roll Weight (kg)
300	2250	37	123	83
300	2450	37	123	90.4
300	3100	37	123	114.4
450	2250	32	123	124.5
450	2450	32	123	135.6
450	3100	32	123	171.6

[Packing]

- Each roll is wound on a cardboard tube (internal diameter 100mm) and packaged in wood framed box, the height is equal to the width of the mat.
- secured by shrink-wrap polythene. The pallet is wrapped with polyamide straps.

Special packaging: Strips are packed in cardboard boxes or palletized, according to the quantity.

[Labeling]

Each carton has one label with this information: product reference、 net and gross weight in kg、 packaging and product code、 identification code of the palletized unit、 production date.

[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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