
Technical Data Sheet For CHOPPED STRAND MAT

[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 Features and Benefits]

- High tensile strength, allowing for use in hand lay-up process to produce large-area parts
- No flying objects during operation
- Good wet-through and fast wet-out in resins, rapid air release
- High mechanical strength of parts
- Superior acid corrosion resistance

Weight(GSM)	Area Weight(%)	Moisture Content(%)	Size Content(%)	Breakage Strength(N)
//	ISO 3374	ISO3344	ISO 1887	ISO3342
100	±5	≤0.20	10.5(1±31%)	≥80
150	±5	≤0.20	8.0(1±31%)	≥80
200	±5	≤0.20	5.0(1±31%)	≥100
225	±5	≤0.20	4.5(1±31%)	≥100
300	±5	≤0.20	4.0(1±31%)	≥120
375	±5	≤0.20	3.8(1±31%)	≥120
450	±5	≤0.20	3.7(1±31%)	≥140
600	±5	≤0.20	3.5(1±31%)	≥160
900	±5	≤0.20	3.3(1±31%)	≥200

[Specifications and Technical Characteristics]

[Packing]

- Each roll is wound on a cardboard tube (internal diameter 76mm-100mm) and packaged in an individual cardboard box, 285mm x 285mm (L x W); the height is equal to the width of the mat.
- 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 a cardboard box or wrapped up with kraft paper

Special packaging: Strips are packed in cardboard boxes or palletized, according to the quantity. Different width may have different packing way, this is for regular reference.

[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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