

Technical Data

PP Sandwich Mat

Product Introduction

M3 is a combination of chopped strand mat stitched on both sides of a layer of polypropylene core. It's compatible with UP, vinyl ester, epoxy and phenolic resin. This product is recommended for the production of composites in hand lay-up, RTM and other closed molding processes. It's widely used in boat building and automobile industries. And its end products include FRP boats, automobile hulls, panels, refrigerators and profile material.

Product Description

M3-M PP Sandwich Mats are designed to be compatible in UP, vinyl ester, epoxy and phenolic resin systems. Chopped fiber is laid up tightly, which

helps lower resin usage and increase flow speed. Stitch-bonding a binderless mat allows the fabric to be made more simply and efficiently, thus increasing the job efficiency and lower the cost. To help ensure the quality of customers' products, the quality management programs of manufacturing M3-M PP sandwich mats are controlled under the requirements of ISO 9001.

Packaging

M3/M5-M PP Sandwich Mat is wound into a roll on a cardboard inner tube with an inside diameter of 7.3cm (2.8"). All densities are 35cm (14") in diameter. Each roll is wrapped with a plastic bag and placed in a cardboard box. Twelve (12) boxes are placed horizontally on a pallet, which is stretch wrapped.

Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. Temperature should not exceed 35°C (95°F) and the relative humidity should be kept below 75%. Fiberglass products must remain in packaging material until just prior to its use. If these conditions are respected, the glass fiber product should not undergo significant changes when stored for extended periods of time.

Stacking

To ensure safety and avoid damage to the product, skids should not be stacked more than two high. When stacking two pallets high, care should be taken to correctly and smoothly place the top pallet.

Features

Economical, multi-use fabric, fast wet-out

Good conformability.

Combination of chopped strand and PP core in one fabric

Available in a variety of widths and weights

Customer Benefits

- Works well with most resins.
- Wets out very fast in RTM and Vacuum Processes.
- Improved handling and durability

- Provides lower processing time

- Offers design flexibility for wide range of applications
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Product data

ID Number	CSM	PP Core	CSM (g/m ²)	Stitching Yarn	Total	Standard Width	Resin Compatibility
M3-20A-M	300	180	300	20	800	50"	UP, Vinyl ester Epoxy, Phenolic
M3-30A-M	450	180	450	20	1100	50"	UP, Vinyl ester Epoxy, Phenolic
M3-40A-M	600	180	600	20	1400	50"	UP, Vinyl ester Epoxy, Phenolic
M3-20B-M	300	250	300	20	870	50"	UP, Vinyl ester Epoxy, Phenolic
M3-30B-M	450	250	450	20	1170	50"	UP, Vinyl ester Epoxy, Phenolic
M3-40B-M	600	250	600	20	1470	50"	UP, Vinyl ester Epoxy, Phenolic

Other weights & combinations available to order.

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