

### 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 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 PP sandwich mats are controlled under the requirements of ISO 9001.

### Packaging

M3 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 55cm (21.5") in diameter. Each roll is wrapped with a plastic bag. For the bottom layer of a container, four (4) rolls are placed vertically on a pallet, which is stretch wrapped. For the top layers, three (3) rolls are placed horizontally on a pallet, which is also 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	Customer Benefits
Economical, multi-use fabric, first wet-out	<ul style="list-style-type: none"><li>• Works well with most resins</li><li>• Wets out very fast in RTM and Vacuum Processes</li></ul>
Good conformability	<ul style="list-style-type: none"><li>• Improved handling and durability</li></ul>
Combination of chopped strand and PP core in one fabric	<ul style="list-style-type: none"><li>• Provides lower processing time</li></ul>
Available in a variety of widths and weights	<ul style="list-style-type: none"><li>• Offers design flexibility for wide range of application</li></ul>










### Product Data

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

Other weights & combinations available to order

## Disclaimer of Liability

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