

### Product Introduction

M6-AB Stitched Mats are composed of chopped Boron-free fiberglass strands that are stitched together into mats with an organic yarn. These mats are used primarily for hand lay-up, pultrusion, RTM, and filament winding process, etc. Their many excellent characteristics have been used to provide superior performance in a broad range of end-use markets such as marine, transportation, recreation, construction, consumer and anti-corrosion.

### Product Description

M6-AB Stitched Mats are designed to be compatible in unsaturated polyester system. They offer easy handling, high conformability, high resin permeability and fast wet-out. This reduces processing time and increases productivity in resin transfer, vacuum-ABssist and press molding methods. To help ensure the quality of customers' products, the quality management programs of manufacturing M6-AB Stitched Mats is controlled under the requirements of ISO 9001.

### Packaging

M6-AB Stitched Mats are wound into a roll on a cardboard inner tube with an inside diameter of 7.2cm (2.8"). All densities are 30cm (12") in diameter. Each roll is wrapped with a plastic bag and placed in a cardboard box. 12 boxes are placed vertically on a pallet, which is stretch wrapped.

### Storage

Unless otherwise specified, it is recommended to store fiber glass 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
Quick wetting and rapid air release	Maximum molding productivity and reduced cost
Excellent thickness uniformity	Consistent customer part quality
Superb integrity	Enhances productivity and reduces materials losses during unrolling, cutting and handling
Multi-directional reinforcement	Enhanced fatigue and off-axis properties
Available in a variety of widths and weights	Offers design flexibility for wide range of applications

## Product Data

ID Number	Filament Diameter (Microns)	Sizing Type	Compatible Resin	% Moisture Content	Density (OZ/ft <sup>2</sup> , g/m <sup>2</sup> )	Standard Width (Inch)
M6-010-AB	13	Silane	Polyester	≤ 0.20	1.0/300	38, 50, 60
M6-015-AB	13	Silane	Polyester	≤ 0.20	1.5/450	38, 50, 60
M6-020-AB	13	Silane	Polyester	≤ 0.20	2.0/600	38, 50, 60
M6-030-AB	13	Silane	Polyester	≤ 0.20	3.0/900	38, 50, 60

Special products are available according to customers' requirements. Maximum width is available in 60 inches.

## Typical Polyester Laminate Properties

Property	Average Value	Test Method
Flexural Strength (MPa)	214 (Dry)	GB/T1449-1983
	212 (Wet)	

\* Reference data only, not for technical specifications. M6-AB Stitched Mats in general purpose polyester resin at 36.9% glass content no filler.

## Disclaimer of Liability

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