

Product Introduction

M1-AB Chopped Strand Mats are composed of chopped Boron-free glass fiber strands that are bonded together into mats with a highly soluble polyester powder. The input boron-free rovings provide higher mechanical properties (modulus of elasticity) than E glass, superior chemical corrosion resistance, especially very similar acid resistance with traditional ECR glass. Without any content of B₂O₃ and F₂, Boron-free glass is environmental-friendly throughout its production process.

Boron-free Chopped strand mats are used primarily for hand lay-up, filament winding and press molding of FRP parts. Their many excellent characteristics are able to provide superior performance in a broad range of end-use markets such as marine, transportation, recreation, construction, consumer and anti-corrosion.

Product Description

M1-AB Chopped Strand Mats are designed to be compatible in an unsaturated polyester system. To help ensure the quality of customers' products, the quality management programs of manufacturing these products is controlled under the requirements of ISO 9001. M1-AB Chopped Strand Mats have obtained the quality certification of the Norway Boat code.

Packaging

The Boron-free Chopped Strand Mat is wound into a roll on a cardboard inner tube. All densities are 30cm (12") in diameter. Each roll is wrapped with a plastic bag and placed in a cardboard box. 12 or 18 boxes are placed vertically 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	Customer Benefits
Quick wetting and rapid air release	Maximum molding productivity and reduced cost
Excellent thickness uniformity	Consistent customer part quality
Superb dry integrity	Enhances productivity and reduces materials losses during unrolling, cutting and piece handling
Smaller diameter, very dense rolls	Safe and efficient material handling.

Product Data

ID Number	Fiber Diameter	Sizing Type	Binder Type	Compatible Resin	% Organic Solid (LOI)	% Moisture Content
M1-AB	13 µm	Silane	Powder	UP	2-8	≤ 0.20

ID Number	Weight (OZ/ft ² , g/m ²)	Styrene Solubility	Speed of Wet-out	Standard Width (inch)
M1-010-AB	1.0/300	≤ 40 sec	≤ 100 sec	38, 50, 60 (Max. 110'')
M1-015-AB	1.5/450	≤ 40 sec	≤ 100 sec	38, 50, 60 (Max. 110'')
M1-020-AB	2.0/600	≤ 40 sec	≤ 100 sec	38, 50, 60 (Max. 110'')
M1-030-AB	3.0/900	≤ 40 sec	≤ 100 sec	38, 50, 60 (Max. 110'')

Roll Weight Specification (Standard Widths)

Standard Width	Inch/mm	38/965	50/1270	60/1524
M1-010-AB, M1-015-AB, M1-020-AB	kg/lb	39/86	52/115	61/134
M1-030-AB	Kg/lb	41.5/91	53.5/118	63.5/140

Disclaimer of Liability

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