



Continuous Filament Mat (CFM)

Nanjing Tianming Fiberglass Products Co., Ltd

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CFM for Closed Molds

Product Description

M6102 and M6101 are very suitable for injection molding RTM and S-RIM processes. The combination of their excellent mechanical properties and the excellent electrical properties of resin makes molded parts widely used in electrical equipment (high voltage), transportation, automotive industries, and infrastructure equipment.

Product Benefits

- Excellent chemical stability, heating resistance, and well insulation. The product's low solubility binder prevents fiber was hing during injecting or infusion.
- Provides smooth surface and fast infusion speed.
- Good resistance to washing effect under injection pressure.

Application

- RTM (high and low pressure injection).
- Infusion and compress in molding for wind power.
- Automotive, truck, industrial.
- LNG

Product Portfolio

Product Name	Weight	Width	Tensile Strength		Loss on Ignition (%)	Resin	Process
	(g/m²)	(mm)	Vertical	Horizontal		Compatibility	
M6102	225	1050-2100	≥80N	≥60N	7±2	UP/EP	Closed Molds
	300	1050-2100	≥100N	≥80N	6±2	UP/EP	Closed Molds
	450	1050-2100	≥160N	≥100N	5±2	UP/EP	Closed Molds
	600	1050-2100	≥180N	≥120N	4±2	UP/EP	Closed Molds
M6101	225	1040-2300	≥40N	≥40N	3.5±1	UP/EP	Closed Molds
	300	1040-2300	≥40N	≥40N	3.5±1	UP/EP	Closed Molds
	450	1040-2300	≥60N	≥60N	3.5±1	UP/EP	Closed Molds
	600	1040-2300	≥60N	≥60N	2.5±1	UP/EP	Closed Molds

(1) Other weights can be customized upon request.

(2) Other width can be customized upon request.



Packaging & Labeling

Each roll is wrapped around a paper tube with an inner diameter of 76 millimeters (3 inches), completely wrapped in stretched film packaging, placed vertically or horizontally on each pallet, and wrapped in stretched film packaging. To achieve 100% traceability, the information is printed on the packaging film. Each roll has a label that provides a detailed description of the product specifications, product code, nominal weight, roll width, roll number, and manufacturing date. Each pallet is identified by a pallet label, including the date and the pallet weight.

Storage

For best performance results, fiberglass products should be stored in a dry, cool, and moisture-proof area. It is recommended to maintain room temperature and humidity at 15°C-35°C, ranging from 35% to 65%, respectively. Protect product from all sources of water at all times. Before use, products should be conditioned in the work area for a minimum of 24 hours. If the contents of a package unit are partially used, limitations on the shelf life of the product. To ensure optimal performance, retesting is recommended for products stored more than two years from the initial production date.





FOR BETTER FUTURE

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