

M705 CHOPPED STRAND MAT

FOR HAND LAY-UP



DESCRIPTION

M705 is a medium fiber, multi-chop length chopped strand mat bonded together using an emulsion binder. The emulsion binder provides superior handling properties compared to powder bonded mats. The chemistry and chop length used in M705 allows it to conform well in contoured molds. It is a porous, well bonded mat which maintains its integrity during the impregnation process and provides a uniform wet through rate.

BENEFITS

- **Quick wetting and rapid air release:** Maximizes molding productivity by reducing the labour required to roll out product
- **Slower impregnation speed:** Reduces resin consumption resulting in higher glass content and improved mechanical properties
- **Excellent conformability:** Ease of handling and ability to conform rapidly to complex molds
- **Externally certified:** Lloyd's Register of Shipping and Det Norsk Veritas
- **Superior corrosion resistance with Advantex® Glass compared to standard E-glass:** Advantex® Glass helps enhanced part life and service life strength in applications facing corrosion. For additional information on Advantex® glass use the link below: <http://composites.owenscorning.com/aboutAdvantex.aspx>



APPLICATIONS

M705 is compatible with unsaturated polyester resins and is well suited for hand lay-up applications such as auto parts, boats, chemical tanks and pools.



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AVAILABILITY – Not all products are available in all regions. Additional weights and widths are available upon request

Nominal Mat Weight (g/m ²)	Roll Width (cm)
300 – 450 – 600 – 900	95 – 104 – 125

PACKAGING

Nominal Mat Width (cm)	Roll Diameter (cm)	Rolls Per Pallet	Pallet Size (cm)
95 – 125	30	12	127 x 97
104	27	16	113 x 113

Each roll is wound on a 76 mm cardboard tube and placed inside a polyethylene bag and cardboard box. The boxed product is then placed vertically on a wooden pallet and shrink wrapped for stability and protection.

LABELLING

Each roll bears a label detailing the product description, product code, nominal weight, roll width, roll number, date of manufacture, and time of manufacture.

STORAGE

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. The best conditions are at a temperature between 10°C and 35°C and a relative humidity between 35% and 85%. The glass fiber products must remain in their original packaging material until the point of usage. If the storage temperature is below 15°C, it is recommended that the product be stored in the workshop, within its original packaging, at least 24 hours prior to use to prevent condensation. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, there is no known shelf life to the product, but retesting is advised after three years from the initial production date to insure optimum performance.

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