

UNIFILO® 800 SERIES CONTINUOUS FILAMENT MAT

FOR CLOSED MOLD



DESCRIPTION

Unifilo® 800 Series mats are made from Advantex® glass continuous filaments of random orientation bonded together with a thermoset binder. These mats are available in a wide product range to optimize performance in varying closed mold applications. Unifilo® 800 Series mats are compatible with unsaturated polyester, vinyl ester, polyurethane and epoxy resins.

BENEFITS

- **U801:** Low binder content allows this mat to evenly disperse in expanded PU applications and is also can be molded into more complex parts
- **U809:** Very low binder content allows this mat to evenly disperse in expanded PU foam applications
- **U850, U852, U854:** Higher strand Tex core results in improved resin flow
- **Varying levels of binder:** Product is available with varying levels of binder to match up with specific customer applications.

Standard Product	Higher Resin Flow	Lower Binder	More Conformable
U801		↑ ↓	↑ ↓
U812	U852		
U813			
U814	U854		
U816	U850		
U817		Higher Binder	Better Bonding Easier Handling

- **Superior corrosion resistance with Advantex® Glass compared to standard E-glass:** Advantex® Glass helps longer 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

800 Series Unifilo® mats are designed to be processed in RTM (high and low pressure injection), infusion and compression molding for heavy truck, automotive and industrial, and LNG applications.



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AVAILABILITY – All products are made to order. Additional weights are available upon request.

Nominal Mat Weight (g/m ²)	Roll Width (cm)
225 – 300 – 450 – 600 – 900	127 – 138

PACKAGING

Nominal Mat Width (cm)	Roll Diameter (cm)	Rolls Per Pallet	Pallet Size (cm)
≤105	55	8	114 x 114
>105 to ≤210	55	4	114 x 114
>210	55	2 – 8	Wooden Crate

Each roll is wound up on a 103mm internal diameter cardboard tube and wrapped with a transparent stretch film. Rolls with a width ≤210cm are positioned vertically on each pallet and fully wrapped in stretch film. Rolls with a width >210cm are placed inside a polyethylene bag and horizontally positioned inside of a wooden crate.

LABELING

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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