

UNIFILO® 700 SERIES CONTINUOUS FILAMENT MAT

FOR PREFORMS



DESCRIPTION

Unifilo® 700 Series mats are made from Advantex® glass continuous filaments of random orientation bonded together with a thermoplastic binder. These mats are designed to be preformed to the same dimensions as the molded part and are compatible with unsaturated polyester, vinyl ester, polyurethane and epoxy resins.

BENEFITS

- **S744, S750, S754:** Provide extra stretch for higher deformation applications
- **S764:** Provides extra stretch and very good resin flow. It is well suited for multi-layer applications
- **T750, T754:** Provide enhanced mechanical properties in the cross mat direction
- **U720:** Provides stronger and more durable preforms. It is well suited for automated processes
- **Varying levels of binder:** Product is available with varying levels of binder to match up with specific customer applications.

Standard Product	Higher Loft	Higher Cross Mechanical Property	Higher Stretch	Higher Stretch with Higher Loft	Lower Binder	More Conformable
		T754	S754	S744	↑ ↓	↑ ↓
U756	U746					
U750	U740	T750	S750		Higher Binder	Better Bonding Easier Handling

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

700 series Unifilo® mats are designed to be preformed and then processed in RTM (high and low pressure injection), infusion and compression molding for heavy truck, automotive and industrial 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)
300 – 450 – 600	Roll widths are made to order in a range from 50 – 306 cm

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 103 mm 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 recommend 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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