

UNIFILO® 700 SERIES MAKE HIGH-QUALITY PREFORMS

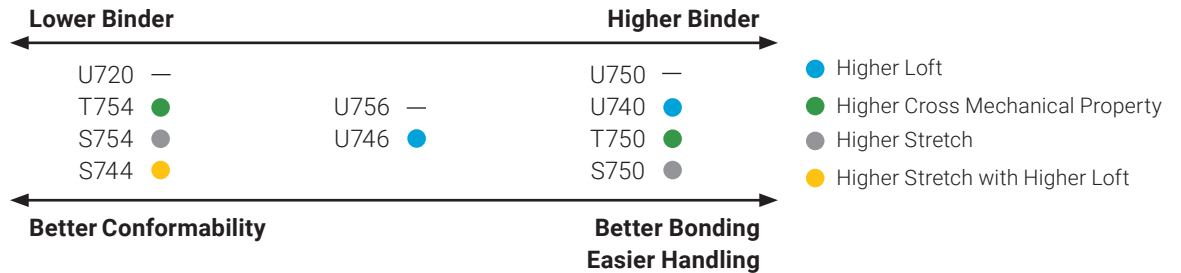
UNIFILO® 700 Series continuous filament mats represent a large choice of tailored preforming solutions for closed mold process.

- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.
- Made of continuous filaments randomly-oriented and bonded together by a thermoplastic powder binder.

Product Benefits

Customized for multiple needs

- UNIFILO® 700 Series mats products are available with varying filament lay-out and binder contents to match up with specific customer applications.



Easy processing

- S744, S750 products enable extra stretch and good resin flow for deeper draw applications.
- U746 product provides good stretch and excellent resin flow required in multi-layer applications.

Enhanced mechanical properties

- T750, T754 products provide enhanced mechanical properties in the cross-mat direction.
- U720 product provides stronger and more durable preforms. It is well suited for automated processes.

Corrosion resistance

- Excellent corrosion resistance with Advantex® Glass compared to standard E-glass: providing longer service life in applications facing corrosion.

Application

UNIFILO® 700 Series mats are compatible with unsaturated polyester, vinyl ester, acrylic and epoxy resins. They are designed to be preformed with the same dimensions as the final part and for use in closed mold process such as RTM (high and low- pressure injection), infusion and compression molding. Applications include heavy truck, automotive and industrial parts.



Availability

Unifilo® 700 Series mats are available worldwide. All products are made to order. Additional widths are available upon request by your Owens Corning contact.

| MAT WEIGHT (G/CM ²) | MAT WEIGHT (OZ./SQ. FT.) | ROLL WIDTH (CM) | ROLL WIDTH (IN) |
|---------------------------------|--------------------------|-----------------|--------------------|
| 300 - 450 - 600 | 1.0 - 1.5 - 2.0 | From 50 to 306 | From 19.7 to 120.5 |

Packaging (Standard Reference)

Each roll is wound on a 103mm (4") internal diameter cardboard tube and wrapped with a transparent stretch film.

| NOMINAL MAT WIDTH (CM/IN) | ROLL Ø (CM/IN) | ROLLS PER PALLET | PALLET SIZE (CM/IN) |
|---------------------------|----------------|------------------|---------------------|
| <=105/41 | 55/22 | 8 | 114 x 114/45 x 45 |
| 105 to 210 / 41 to 83 | 55/22 | 4 | 114 x 114/45 x 45 |
| >210/83 | 55/22 | 2 to 8 | Wooden Crate |

Labeling

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

Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. Ideal 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 help 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, and retesting is advised after three years from the initial production date to insure optimum performance.



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