



M705 HIGH PERFORMANCE LOW RESIN CONSUMPTION

M705 chopped strand mat represents a compelling solution to hand lay-up high glass content and thin laminates balanced with good mechanical properties.

- Produced with patented Advantex® corrosion resistant E-CR glass by Owens Corning.
- Made of medium tex, multi-chop strands randomly dispersed and bonded together by an emulsion binder.
- Certified by Lloyd's Register of Shipping and Det Norsk Veritas.

FOR HAND LAY-UP IN COMPLEX MOLDS

Product Benefits

Easy Handling & Moldability

- Optimized chop length mix conforms well to complex contoured molds.

Process Efficiency

- Fast wetting and quick air release help reduce the labor required to roll out the part.

Balanced Performances

- Moderate impregnation speed reduces resin consumption, resulting in thinner laminate with high glass content, and improved mechanical properties.

Enhanced Service Life

- Compared to standard E-glass, Advantex® glass helps with enhanced service life in applications facing corrosion.

Application

M705 mat is designed for use with unsaturated polyester, vinyl ester resin systems in hand lay-up applications including automotive parts, boats, chemical tanks and pools.



Availability

M705 mat is available in Europe and Asia Pacific. Additional weights and widths are available upon request by your Owens Corning contact.

NOMINAL MAT WEIGHT (G/M ²)	ROLL WIDTH (CM)
225 - 300 - 375 - 450 - 600	95 - 104 - 125

Packaging & Labeling

Each roll is wound on a 76mm 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.

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

NOMINAL MAT WIDTH (CM)	ROLL DIAMETER (CM)	ROLLS PER PALLET	PALLET SIZE (CM)
95 - 104 - 125	30	12	127 x 97

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.



Americas

Owens Corning Composite Materials, LLC.

One Owens Corning Parkway
Toledo, Ohio, USA 43659
1-800-GET-PINK®

Europe

European Owens Corning Fibreglas Sprl.

166 Chaussée de la Hulpe
B-1170 Brussels
Belgium
+32 3 674 8211

Asia Pacific

Owens Corning Shanghai Regional Headquarters

40/F, Pudong Kerry Parkside,
115 Fang Dian Road, Pudong,
Shanghai, 201204, China
+86-21-6101 9666

<https://www.owenscorning.com/composites> | Composites@owenscorning.com

This information and data contained herein is offered solely as a guide in the selection of product. We believe this information to be reliable, but do not guarantee its applicability to the user's process or assume any responsibility or liability arising out of its use or performance. The user agrees to be responsible for thoroughly testing any application of the product to determine its suitability. Because of numerous factors affecting results, we make no warranty of any kind, express or implied, including those of merchantability and fitness for a particular purpose. Statements in this publication shall not be construed as representations or warranties or as inducements to infringe any patent or violate any law, safety code or insurance regulation. We reserve the right to modify this document without prior notice. Image copyright: Courtesy Ansaldo, Italy (tramway). Images for application illustration only.