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Data Sheet

CARBON TRIAXIAL FABRICS

Performance fabrics for Toolfusion® Tooling

DESCRIPTION

Airtech TMGC-TX Fabrics are Triaxial Carbon Fabrics developed for the manufacture of composite moulds with Airtech Toolfusion[®] resins. This range of Quasi-isotropic fabrics are balanced in every layer, avoiding the need for orientation of individual plies in laminate stack. TMGC-TX Fabrics are available in a selection of light, medium, and heavy weight fabrics. The heavy weight fabrics allow thickness to be built in fewer layers, with laminate quality for high quality post machining. Airtech TMGC-TX Fabrics deliver lower cost tooling solutions with superior performance.

BENEFITS

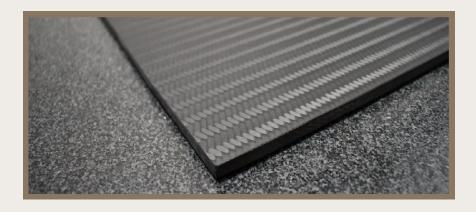
- Balanced fabrics do not require ply orientation, reducing layup times dramatically.
- Simplified ply patterns reduces material waste to a minimum.
- Engineered for Toolfusion® for ease of infusion and high quality tooling laminates.

TECHNICAL DATA

| Product Name | Yarn Type | Weaving Style | Weight | Thickness |
|--------------|------------|----------------------|----------------------------|-------------------------|
| TMGC-TX390 | 12K Carbon | Triaxial 0,+/-60° | 393 g/m² (11,6 oz/yd²) | 0,41 mm (0,016 inch) |
| TMGC-TX670 | 24K Carbon | Triaxial 0,+/-60° | 661 g/m² (19,5 oz/yd²) | 0,66 mm (0,026 inch) |
| TMGC-TX1100 | 24K Carbon | Triaxial 0,+/-60° | 1105 g/m² (32,6 oz/yd²) | 1,13 mm (0,044 inch) |

SIZES

| Product Name | Roll Sizes | |
|--------------|---|--|
| TMGC-TX390 | 122 cm x 91,4 m (48 inches x 100 yd) | |
| TMGC-TX670 | 122 cm x 91,4 m (48 inches x 100 yd) | |
| TMGC-TX1100 | 122 cm x 27,4 m (48 in x 30 yd) | |



NOTES

• Minimum order quantity may be required.

Last updated : 2017-12-13

Catalogue position : Resin infusion products

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