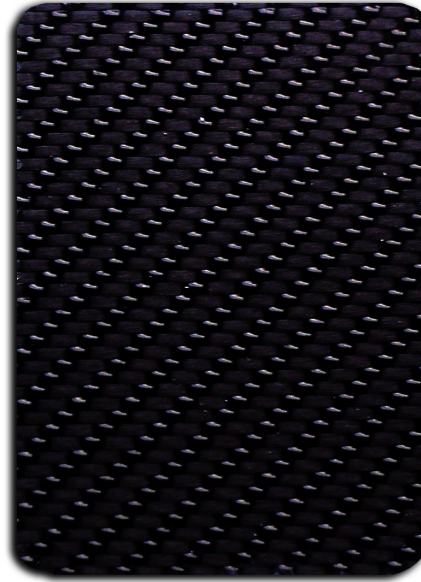


TL6000 Mod 1

Carbon fiber weave to provide enhanced performance, support and protection.



- Twill weave of 12K carbon fibers
- Bi-directional carbon reinforcement
- Highest mechanical properties of our TL fabrics
- Lightweight, thin multi-layer
- Material can be cut, drilled, ground and polished like other plastics
- Heat adjustable after forming with heat gun
- Available in natural (carbon)
- TL-6000 has a smooth, high gloss finish and transparent surface to show woven carbon fiber

TL-6000 Mod 1

PRODUCT INFORMATION SHEET

Continuous fiber reinforced thermoplastic (CFRT[®]) composite, blends the benefits of a thermoplastic polymer alloy with woven carbon fibers for enhanced performance.

The TL-6000 is a multi-layer product, high strength, stiffness, thin, and lightweight.

COMPOSITION

Fibers: Woven 12K carbon fibers - twill weave, carbon fiber reinforcement at 0° and 90° orientations

Resin: PMMA impact modified proprietary thermoplastic resin.

PHYSICAL ATTRIBUTES:

Thickness: Mod 1 - 0.115" nominal 0.292 cm

Color: Natural (carbon)

Size: Cut to customer specifications from sheet of 91 x 122 cm

TW-6000 3-LAYER MATERIAL PROPERTIES

Specific Gravity

1.37

Flexural Rigidity

N-cm² 244.51

Flexural Strength

Mpa 348.9

Flexural Modulus

Msi 5.57

Recommended Processing Temperature

Forming 380° to 390°F / 199°- 215.6°C
