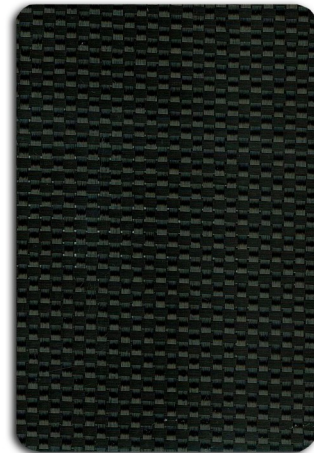
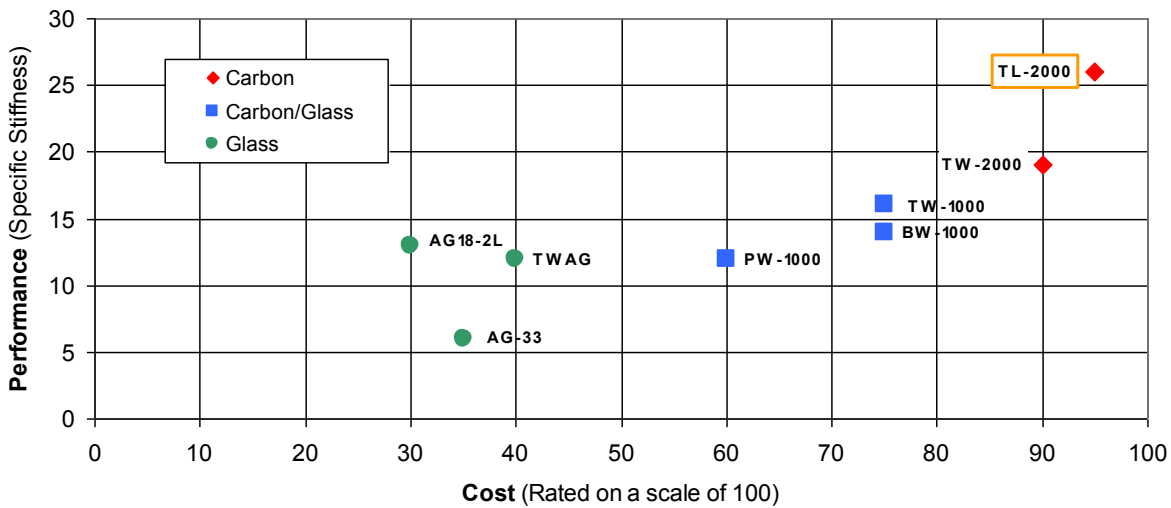


TL-2000

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



PERFORMANCE versus COST



- Plain weave of 3K carbon fibers
- Bi-directional carbon reinforcement
- Highest mechanical properties of our woven fabrics
- Lightest weight, thin single or multiple layers
- Available in natural carbon fiber

TL-2000

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-2000 is available in a single layer or multi-layer (sandwich) construction that is ultra thin, lightweight, and resilient for improved energy return.

COMPOSITION

Fibers: Woven 3K carbon fibers - plain weave, carbon fiber reinforcement at 0° and 90° orientations

Resin: PMMA impact modified proprietary thermoplastic resin.

Core: Available in single layer or multi-layer construction with core

PHYSICAL ATTRIBUTES

Thickness: 0.78mm nominal (multilayer construction)

Color: Natural (carbon)

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

TL-2000 MATERIAL PROPERTIES

Specific Gravity

1.44

Flexural Rigidity

N-cm² 8.0

Flexural Modulus

Gpa 33.1

Recommended Processing Temperature

Forming 195°C to 200°C

Bonding 55°C to 60°C

Note: Properties measured in Carbon Direction