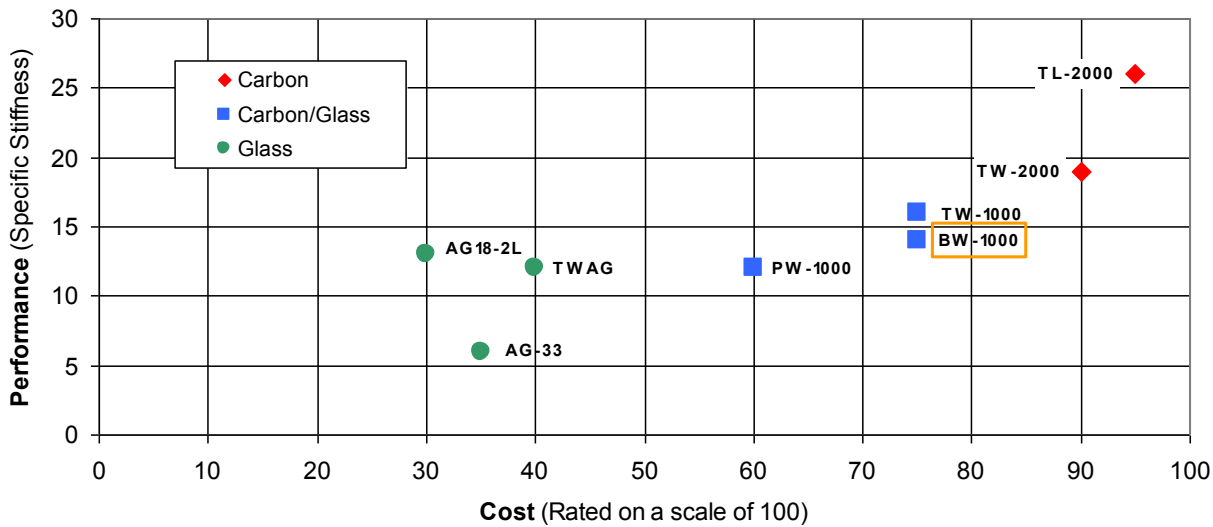


**BW-1000**

Hybrid weave of carbon and glass fibers to provide enhanced performance, support and



**PERFORMANCE versus COST**



- Basket weave of 12K carbon and glass fibers
- Lower material cost with glass fiber
- Lightweight, thin single layer
- Bidirectional mechanical properties, carbon 0° and glass 90° orientation
- Available in stock and custom colors

## BW-1000

### PRODUCT INFORMATION SHEET

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Continuous fiber reinforced thermoplastic (CFRT<sup>®</sup>) composite, blends the benefits of a thermoplastic polymer alloy with woven fibers for enhanced performance. BW-1000 is a single layer product (carbon/glass)

### COMPOSITION

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Fibers: Woven carbon and glass fibers in basket weave, carbon in one direction and glass fibers at a 90° orientation to the carbon.

Resin: PMMA impact modified proprietary thermoplastic resin.

### PHYSICAL ATTRIBUTES

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Thickness: 0.89 mm nominal

Color: Various

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

### BW-1000 MATERIAL PROPERTIES

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|                                    |                   |                |
|------------------------------------|-------------------|----------------|
| Specific Gravity                   |                   | 1.64           |
| Flexural Rigidity                  | N-cm <sup>2</sup> | 4.8            |
| Flexural Strength                  | Mpa               | 321            |
| Flexural Modulus                   | Gpa               | 13.5           |
| Recommended Processing Temperature |                   |                |
|                                    | Forming           | 195°C to 200°C |
|                                    | Bonding           | 55°C to 60°C   |

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**Note: Properties measured in Carbon Direction**