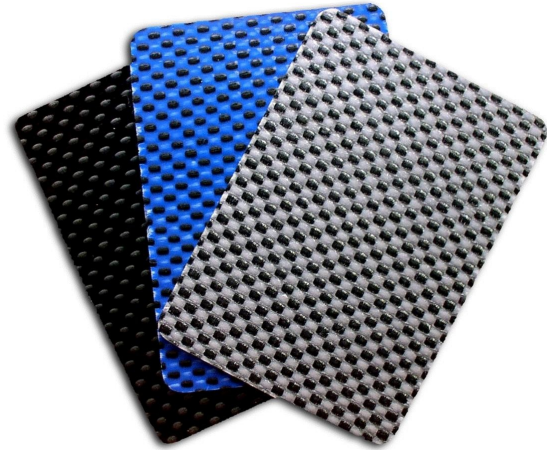
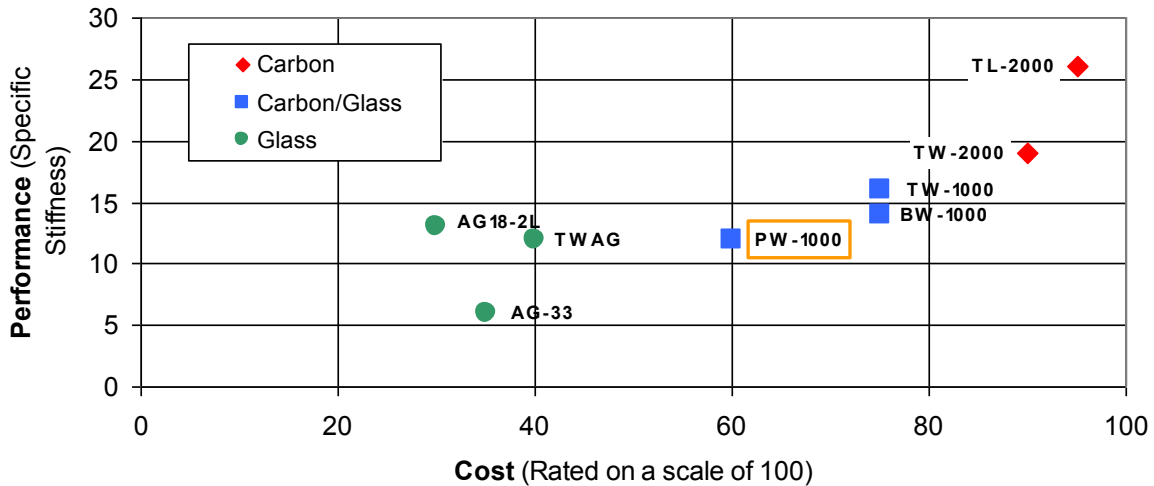


PW-1000

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



PERFORMANCE versus COST



- Plain 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

PW-1000

PRODUCT INFORMATION SHEET

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

COMPOSITION

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

Resin: PMMA impact modified proprietary thermoplastic resin.

PHYSICAL ATTRIBUTES:

Thickness: 0.74 mm nominal

Color: Various

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

BW-1000 MATERIAL PROPERTIES

Specific Gravity		1.67
Flexural Rigidity	N-cm ²	2.8
Flexural Strength	Mpa	208
Flexural Modulus	Gpa	13.5
Recommended Processing Temperature		
	Forming	195°C to 200°C
	Bonding	55°C to 60°C

Note: Properties measured in Carbon Direction