

PRODUCT DATA SHEET



TENCATE ADVANCED COMPOSITES

TenCate Cetex[®] TC950 (AG33) CFRT[®] Woven Series Glass Fiber

PRODUCT TYPE

Woven all glass fibers in plain weave
Modified PMMA thermoplastic resin

Noted: Percentages are by volume and are nominal values)

TYPICAL APPLICATIONS

- Footwear
- Skates
- Recreational equipment

SHELF LIFE

Stable indefinitely at 77°F (25°C)

Materials must be dried prior to heating and thermoforming.
Please refer to the TCPC Processing Instructions.

Revised 08/2015

Cetex[®] and CFRT[®] are registered trademarks of Royal TenCate. All data given is based on representative samples of the materials in question. Since the method and circumstances under which these materials are processed and tested are key to their performance, and TenCate Advanced Composites has no assurance of how its customers will use the material, the corporation cannot guarantee these properties.

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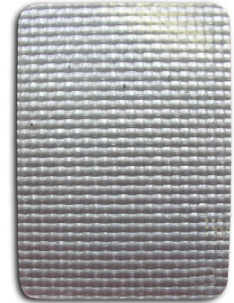
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PRODUCTS DESCRIPTION

TenCate Cetex[®] TC950 (AG33) is a continuous fiber reinforced thermoplastic (CFRT[®]) composite laminate. It blends the benefits of a thermoplastic polymer alloy with woven glass fibers in a plain weave for enhanced performance. The AG33 style laminate is a single layer product that is ultra thin, lightweight, and resilient for improved energy return

PRODUCT BENEFITS/FEATURES

- Plain weave of glass fibers
- Lowest material cost of our PW fabrics with all glass
- Lightest weight, thin single layer
- Available in stock and custom colors



Composition:

Fibers..... Glass (330) fiber content: 55%
Resin PMMA impact modified proprietary thermoplastic resin: (45%) (Noted: Percentages are by volume and are nominal values)

Physical Attributes:

Thickness..... 0.84 mm nominal (0.033 inches)
Color Various
Size Cut to customer specifications from sheet of 91 x 122 cm

TENCATE CETEX[®] TC950 (AG33) MATERIAL PROPERTIES

Specific Gravity 1.81 g/cc

Thickness: 0.84 mm (.033 inches) nominal. Available in single ply laminate.

Color: Various

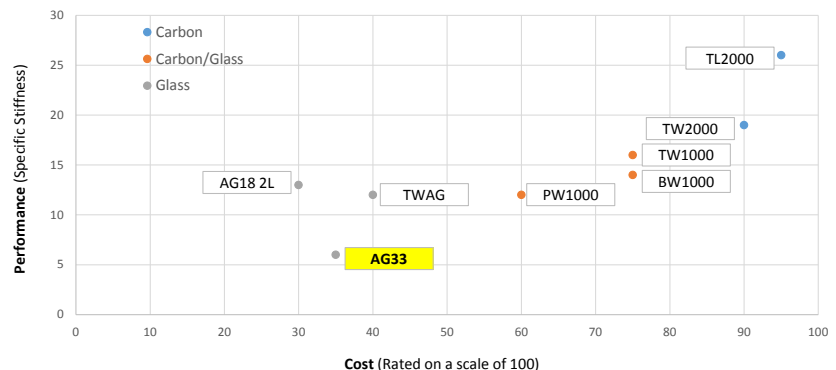
Size: Cut to customer specifications from sheet of 91 x 122 cm (36 x 48 inches)

Property	Condition	Method	Results:	
Flexural Rigidity	RTD	ASTM D790-10	3.0 lbs-in ²	8.8 N/cm ²
Flexural Modulus	RTD	ASTM D790-10	1.0 Msi	6.9 GPa
Flexural Strength	RTD	ASTM D790-10	31.0 ksi	215 MPa

TYPICAL CONSOLIDATION PARAMETERS OR PROCESSING INFO

Recommended Processing Temperatures.....Forming 195°C to 200°C (383°F - 392°F)
Bonding 55°C to 60°C (131°F - 140°F)

PERFORMANCE versus COST



TENCATE PERFORMANCE COMPOSITES

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