

PRODUCT DATA SHEET



TENCATE PERFORMANCE COMPOSITES

TenCate AG-33

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 5/2017

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.

Page 1 of 1

AG-33_DS_050917

PRODUCTS DESCRIPTION

TenCate Cetex® AG-33 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 AG-33 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 AG-33 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)

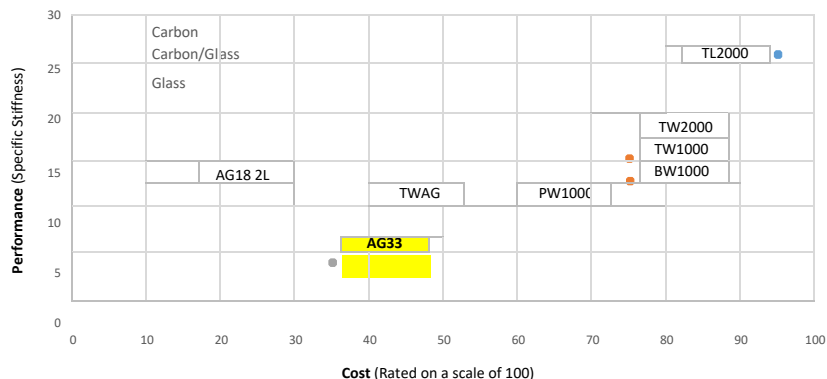
Property	Condition	Results:	
Flexural Rigidity	RTD	3 lbs-in ²	8.8 N/cm ²
Flexural Modulus	RTD	1.0 Msi	6.9 GPa
Flexural Strength	RTD	35.8 ksi	247.0 MPa

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

1150 Calle Suerte.
Camarillo, CA 93012 USA
Tel: +1 805 482 1722

5035 N. Services Road, Building A-1
Burlington, L7L 5V2 CAN
Tel: +1 905 332 0991

www.tencateperformancecomposites.com
tencsales@tencate.com (USA)