

# PRODUCT DATA SHEET



TENCATE ADVANCED COMPOSITES

## TenCate Cetex® TC970 SS-AG7544

### PRODUCT TYPE

Glass (E) fiber content: 37%

TPU (thermoplastic polyurethane)  
resin content: 63%

(Noted: Percentages are by volume and are nominal values)

### TYPICAL APPLICATIONS

- Footwear
- Skates

### 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 06/2015

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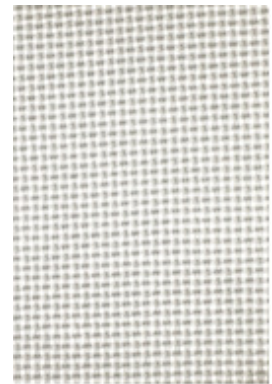
### PRODUCTS DESCRIPTION

TenCate Cetex® TC970 (SS-AG7544) 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 SS-AG7544 style laminate is available in a single layer product that is ultra thin, lightweight, and resilient for improved energy return.

The SS-AG7544, also known as SuperSkin is a single layer product used in the footwear and skate manufacturing process.

### PRODUCT BENEFITS/FEATURES

- Plain weave of (E) glass fibers
- Lightweight, thin single layer
- Available in natural clear (glass) color



### TENCATE CETEX® TC970 SS-AG7544 MATERIAL PROPERTIES

Specific Gravity..... 1.43 g/cc

Fibers..... Woven (E) glass fibers – plain weave

Resins..... TPU (thermoplastic polyurethane) resin

(Noted: Percentages are by volume and are nominal values)

**Thickness:** 0.5 mm (0.02 inches) nominal.

**Color:** Natural clear (glass)

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

Property	Condition	Method	Results	
Tensile Strength	RTD	ASTM D790-10	37.4 ksi	251 MPa
Tensile Modulus (E) Glass	RTD	ASTM D790-10	10.5 Msi	72.4 GPa

### TYPICAL CONSOLIDATION PARAMETERS OR PROCESSING INFO

Recommended Processing Temperatures.....Forming N/A

Bonding 55°C to 60°C (131°F - 140°F)

### TENCATE PERFORMANCE COMPOSITES

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