



TenCate Cetex[®] TC930

High Density Polyethylene Thermoplastic Composite

PRODUCT TYPE

High Density Polyethylene

TYPICAL APPLICATIONS

- Pipe overwrap

FEATURES

- Ambient temperature storage
- Excellent impact resistance
- UV resistance

HEAT DISTORTION TEMPERATURE

Approximately 250°F/121°C

SHELF LIFE

Indefinite at 77°F/25°C

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PRODUCT DESCRIPTION

TenCate Cetex[®] TC930 HDPE (formerly PMC/Baycomp CFRT[®] HDPE) is a high strength high density polyethylene unidirectional tape. This TenCate thermoplastic composite is designed for applications like pipe wrapping in oil & gas and infrastructure piping. The high strength of this material reinforces the pipe, and provides both toughness and strength in overwrapping applications.

TENCATE CETEX TC930 HDPE PRODUCT BENEFITS/FEATURES

- Good toughness
- High strength
- Good chemical and solvent resistance
- Excellent hoop reinforcement strength
- Lightweight



TENCATE CETEX TC930 HDPE FIBERGLASS FIBER UNIDIRECTIONAL TAPE

Resin content by weight at 40%. Composite Density 1.55 g/cm³.

Tape Width 164 mm (6.5 inches) Tape Thickness 0.27 mm (0.011 inches).

Property	Condition	Method	Results	
Tensile Strength 0°	RTD	ASTM D3039	98 ksi	678 MPa
Tensile Modulus 0°	RTD	ASTM D3039	4.1 Msi	28.3 GPa
Flexural Strength 0°	RTD	ASTM D790	79 ksi	546 MPa
Flexural Modulus 0°	RTD	ASTM D790	4.2 Msi	29.2 GPa
Compressive Strength 0°	RTD	ASTM D3410	16 ksi	111 MPa
Short Beam Shear ILSS	RTD	ASTM D2344	1.9 ksi	13.4 MPa

Recommended Processing Temperature is 360-390°F (182-199°C)

TENCATE PERFORMANCE COMPOSITES

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