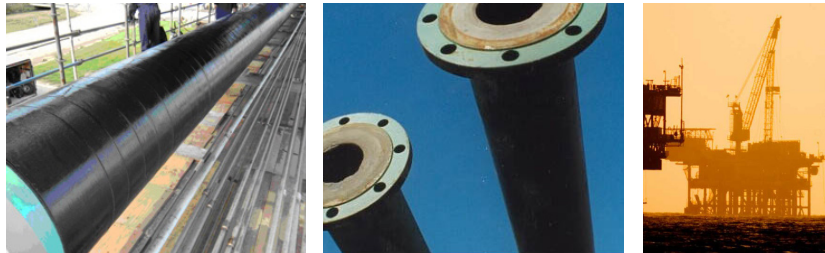


DESCRIPTION

TenCate Cetex® TC930 is a thermoplastic composite using a high density polyethylene (HDPE) matrix. This product is commonly used in pipe overwrapping applications because of its high hoop strength, low modulus and excellent chemical resistance. TenCate TC930 is available in a pigmented glass-reinforced tape.

FEATURES

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



PRODUCT TYPE

High Density Polyethylene Composite

TYPICAL APPLICATIONS

- › Pipe overwrap
- › Ambient temperature storage
- › Excellent impact resistance
- › UV resistance

SHELF LIFE

Indefinite at 25°C (77°F)

NEAT RESIN PROPERTIES

Density	1.2 g/cc
Tensile Strength	32 MPa (4.6 ksi)
Tensile Modulus	1.25 GPa (0.2 Msi)
Elongation at Break	150%
Strain at Yield	15%

HEAT DISTORTION TEMPERATURE

Approximately 121°C (250°F)

MECHANICAL PROPERTIES

Properties	Condition	Method	Typical Results	
Tensile Strength 0°	RTD	ASTM D 3039	678 MPa	98 ksi
Tensile Modulus 0°	RTD	ASTM D 3039	28.3 GPa	4.1 Msi
Flexural Strength 0°	RTD	ASTM D 790	546 MPa	79 ksi
Flexural Modulus 0°	RTD	ASTM D 790	29.2 GPa	4.2 Msi
Compressive Strength 0°	RTD	ASTM D 3410	111 MPa	16 ksi
Short Beam Shear ILSS	RTD	ASTM D 2344	13.4 MPa	1.9 ksi

TenCate Cetex® TC930 Fiberglass Fiber HDPE Uni-Directional Tape

Resin content by weight at 50%. Composite density 1.55 g/cm³. Tape width 164 mm (6.5 inches). Tape thickness 0.27 mm (0.011 inches). Recommended processing temperature is 182–199°C (360–390°F)

Revised 09/2018

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