

CELSTRAN® CFR-TP PET GF60-10

The -10 signifies a PET that is crystalline.

CELSTRAN® CFR-TP PET-GF60-10 is a polyethylene terephthalate that is 60% E-glass by weight continuous fiber (uni-directional) reinforced thermoplastic composite tape. The material exhibits a high strength-to-weight ratio, excellent toughness and chemical resistance. It is well suited for industrial, automotive and sporting goods applications where cost and process ability are critical. Alternate tape widths and thicknesses may be available. Restricted grade due to development status.

Product information

Fiber volume content	43.4 %	ISO 11667
Ply thickness	0.24 mm	ISO 16012
Tape width	326 mm	ISO 16012
Tape areal weight	462 g/m ²	
Fiber areal weight	278 g/m ²	

Typical mechanical properties

Tensile Modulus, tape 0°	32800 MPa	ASTM D 3039 M
Tensile Strength, tape 0°	825 MPa	ASTM D 3039 M
Tensile strain at failure, tape 0°	2.7 %	ASTM D 3039 M
Flexural Modulus	35000 MPa	ASTM D 790
Flexural Strength	770 MPa	ASTM D 790

Thermal properties

Melting temperature, 10° C/min	245 °C	ISO 11357-1/-3
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Other properties

Density	1840 kg/m ³	ISO 1183
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