



UNIDIRECTIONAL MATERIAL

PRODUCT DATA SHEET

CFRT® Continuous Fiber Reinforced Thermoplastics

Carbon / PET

Physical Properties	Typical Values
Composite Density	- - - gm/cm ³
Fiber Content %	60 wt (52.6 vol)
Fiber Aereal Weight, g/m ²	—
Thickness	—
Tape Width	165, 75 mm

Mechanical Properties	Typical Values
Axial Tensile Strength ply	1431 Mpa (207ksi)
Axial Tensile Modulus ply	98.9 Gpa (14.3msi)
Transverse Tensile Strength	—
Transverse Tensile Modulus	—
Axial Flexural Strength	804 Mpa (117ksi)
Axial Flexural Modulus	90.6 Gpa (13.1msi)
Transverse Flexural Strength	—
Transverse Flexural Modulus	—

Thermal and Processing Properties	Typical Values
Melt Point Temp - T _m	—
Recommended Process Temp	265°C 509°F
Recommended Molding Pressure	—

To the best of our knowledge, this document reports accurate and reliable information. However, these results will vary from lab to lab, and will be dependent upon molding techniques, sample preparation, and testing methods. Values must not be used for specification purposes. We recommend that each application be evaluated to assess the suitability of the product to meet specific requirements. Baycomp does not assume any liability that may result from the use of the document