

Glass / HDPE

Physical Properties	Typical Values
Composite Density	1.39 gm/cm ³
Fiber Content %	50 wt (27.4vol)
Fiber Aereal Weight, g/m ²	220 gm/m ²
Thickness	TAPE - 0.24" (0.009")
Tape Width	165mm

Mechanical Properties	Typical Values
Axial Tensile Strength ply	710 Mpa (103 ksi)
Axial Tensile Modulus ply	25 Gpa (3.6 msi)
Transverse Tensile Strength	—
Transverse Tensile Modulus	—
Axial Flexural Strength	480 Mpa (69 ksi)
Axial Flexural Modulus	22 Gpa (3.2 msi)
Transverse Flexural Strength	—
Transverse Flexural Modulus	—

Thermal and Processing Properties	Typical Values
Melt Point Temp - T _m	253°F / 123°C
Recommended Process Temp	410°F / 210°C
Recommended Molding Pressure	> 100 psi

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