

**Glass / Pa6**

Physical Properties	Typical Values
Composite Density	1.70gm/cm <sup>3</sup>
Fiber Content %	60 wt (40vol)
Fiber Aereal Weight, g/m <sup>2</sup>	240 gm/m <sup>2</sup>
Thickness	TAPE - 0.24mm (0.009")
Tape Width	165mm

Mechanical Properties	Typical Values
Axial Tensile Strength ply	900 Mpa (131ksi)
Axial Tensile Modulus ply	30 Gpa (4.4ksi)
Transverse Tensile Strength	—
Transverse Tensile Modulus	—
Axial Flexural Strength	1000 Mpa (146ksi)
Axial Flexural Modulus	29.3 Gpa (4.2msi)
Transverse Flexural Strength	—
Transverse Flexural Modulus	—
Compressive Strength	253 Mpa ( 37ksi)
Shear Strength	29 Gpa (4.5msi)
Izod Impact	365.5 KJ/m2

Thermal and Processing Properties	Typical Values
Melt Point Temp - Tm	235°C 455°F
Recommended Process Temp	260°C 500°
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