

TECHNICAL DATA SHEET

GP Swiftply PA6 Carbon Tape



Gordon Plastics Swiftply PA6 Standard Modulus Carbon Tape

40% resin content by weight FAW 131gsm

Fiber type SGL

Tape Width 12"

Tape Thickness 0.0065" as measured

MECHANICAL PROPERTIES

Property	Test Method	Results	
Tensile Strength 0°	ASTM D 3039	900 MPa	184 ksi
Tensile Modulus 0°	ASTM D 3039	30 GPa	4.4 Msi
Flexural Strength 0°	ASTM D 790	1050 MPa	152 ksi
Flexural Modulus 0°	ASTM D 790	29 GPa	4.2 Msi
Short Beam Shear	ASTM D 2344	42 MPa	6.1 ksi

Test Condition RTD

Material Properties

- High strength to weight ratio
- Superior toughness
- High impact strength
- Excellent heat resistance

Processing Advantages:

- Short cycle time via melt processing
- Solvent free
- Infinite shelf life
- Reprocess able waste stream

Gordon Plastics data is produced by representative samples of the material evaluated. Since the materials can be processed under many different methods, conditions, and circumstances, their actual properties can vary. Gordon Plastics cannot assure how it's customers will process the material, therefore Gordon Plastics cannot guarantee the properties of the material