

TECHNICAL DATA SHEET

SWIFTPLY™ PA6 Carbon Tape



Gordon Plastics UD SWIFTPLY™ PA6 Standard Modulus Carbon Tape

40% resin content by weight

FAW 131gsm

Fiber type Standard Modulus

Tape Width 6.5" (Slit)

Tape Thickness 0.0055" as laminated

MECHANICAL PROPERTIES

Properties	Test Method	Results	
Tensile Strength 0°	ASTM 3039	1,193 MPa	173 ksi
Tensile Modulus 0°	ASTM 3039	123 GPa	17.9 Msi
Flexural Strength 0°	ASTM D790	993 MPa	144 ksi
Flexural Modulus 0°	ASTM D790	102 GPa	14.8 Msi
Short Beam Shear	ASTM D2344	61 MPa	8.9 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
- Reprocessable 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 its customers will process the material, therefore Gordon Plastics cannot guarantee the properties of the material [rev 1/30/2023]

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