

FILAMENT

PA6-CF

Carbon-fibre reinforced nylon

Our PA/nylon carbon fibre is made from a PA6 copolymer reinforced with high-modulus carbon fibre.

DIAMETER **1.75 mm**

TOLERANCE **±0.05 mm**

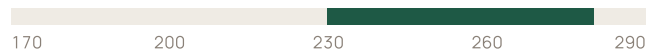
LENGTH **330 m**

KEY FEATURES

- Excellent thermal properties
- Strength and stiffness
- Superior dimensional stability
- Matte surface finish

RECOMMENDED PRINT SETTINGS

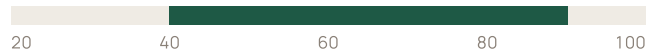
Nozzle temperature **230–280°C**



Bed temperature **70–100°C**



Print speed **40–90 mm/s**



Start in the middle of each range and adjust for your printer, nozzle and cooling.

MATERIAL PROPERTIES

PROPERTY	TEST METHOD	TYPICAL VALUE
Density	ISO 1183	1.17 g/cm ³
Carbon fibre content	–	15 %
Glass transition temperature	DSC	70 °C
Heat deflection temperature, 0.45 MPa	ISO 75	147 °C
Tensile strength	ISO 527	170 MPa
Elongation at break	ISO 527	18 %
Elongation at yield	ISO 527	3 %