

3DPower Hyper PA6–CF15

3DPower Hyper PA6-CF15 is a high-strength filament reinforced with 15% carbon fiber, built for demanding professional use. This filament offers exceptional stiffness, durability, and resistance to extreme conditions, making it the ideal choice for functional and industrial parts that require outstanding mechanical properties.

Filament specification

Property	Value
Diameter:	1.75mm
Diameter tolerance:	± 0.03mm
Ovality:	≥ 95%
Net weight:	500g
Nozzle temperature:	250-280°C
Bed temperature:	60-90°C
Cooling:	0-20%
Print speed:	40-150mm/s

Technical data

Property	Typical value	Test method
Density	1.18 g/cm ³	EN ISO 1183
Tensile strength	132 MPa	ISO 527
Tensile modulus	8885 MPa	ISO 527
Elongation at break	3%	ISO 527
Flexural Modulus	8115 MPa	ISO 178
Flexural Strength	190 MPa	ISO 178
Heat Deflection Temperature	180°C	ISO 75

Disclaimer

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