

PrimaSelect NylonPower Carbon Fibre - 1.75mm - 500g - Natural

3dprima.com/filaments/primaselect-nylonpower-carbon-fibre-1-75mm-500g-natural/a-23423



Article no. **23423**

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Mfg part No, **PS-NPCF-175-0500-NA**

PrimaSelect NylonPower Carbon Fiber belongs to the latest generation of high-performance 3D printer filament. The material is based on nylon 12 and is reinforced with 20% carbon fibres. This composition results in an optimally resistant filament.

Material properties PrimaSelect NylonPower Carbon Fiber:

- High chemical and thermal resistance for extreme loads
- Excellent surface quality for noble looking 3D prints
- Easy to 3D print – Less warping than normal pure nylon material
- Produce very strong parts – Perfect for RC, drones and strong end use parts

Basic Data

Filament Typ	NylonPower Carbon Fibre
Diameter	1,75 mm
Tolerance	0,05 mm
Weight	0,50 kg

Printing Parameter

Recomended Printing Temp Min	250 °C
Recomended Printing Temp Max	265 °C
Recomended Printbed Temperature Min	60 °C
Recomended Printbed Temperature Max	70 °C
Recomended Printing Speed Min	40 mm/s
Recommened Printing Speed Max	40 mm/s
Recomended Fan Speed Min	20 %
Recomended Fan Speed Max	60 %

General

Specific gravity	1 g/cm ³ ISO 1183
Mold Shrinkage	,3 ISO 294
Specific volume resistivity	10 ³ Ωm IEC 60243

Temperature

Heat deflection temp	155 °C ISO 75
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Tensile

Tensile strength	100 MPa ISO 527
Tensile modulus	6000 MPa ISO 527

Flexural

Flexural Strenght	117,9 % ISO 178
Flexural Modulus	3956 ISO 178

