

PrimaSelect NylonPower Glass Fibre - 1.75mm - 500g - Black

3dprima.com/filaments/primaselect-nylonpower-glass-fibre-1-75mm-500g-black/a-24839



Article no. **24839**

Article no. **5936**

EAN **7340002117652**

Mfg part No, **PS-NPGF-175-0500-BK**

PrimaSelect NylonPower Glass Fiber belongs to the latest generation of high-performance nylon filaments for your 3D printer. The 3D printing material is based on Nylon 12 and is 16% glass fiber reinforced. This composition results in an optimally resistant filament.

Material properties PrimaSELECT NylonPower Glass Fiber:

- High chemical and thermal resistance – Ideal for automotive industry, drone construction and RC parts
- Less warping than regular nylon makes it easy to work with on your FFF/FDM 3D printer
- Easier to 3D print than regular PA/Nylon & Excellent surface quality
- Creates very strong parts – Perfect for additive manufacturing

Basic Data

Filament Typ	NylonPower Glass Fibre
Diameter	1,75 mm
Tolerance	0,05 mm

Weight	0,50 kg
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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
Recommended Printing Speed Max	40 mm/s
Recomended Fan Speed Min	20 %
Recomended Fan Speed Max	60 %

General

Specific gravity	1,07 g/cm ³ ISO 1183
Mold Shrinkage	,5 ISO 294
Specific volume resistivity	10 ¹¹ Ωm IEC 60243

Temperature

Heat deflection temp	160 °C ISO 75
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Tensile

Tensile strength	64,7 MPa ISO 527
Tensile modulus	2534 MPa ISO 527

Elongation

Elongation at break	9,2 % ISO 527
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Flexural

Flexural Strength	125 % ISO 178
Flexural Modulus	3131 ISO 178

Other

Impact Strength 53,6 KJ/m2 ISO 179ISO 1802-1eU

Shore D Hardness 77 MPa D ISO 2039-1