FootPrint3D

Orionpoort 2
5971 LZ Grubbenvorst
The Netherlands

Website www.footprint3d.nl
Email info@footprint3d.nl

Bank NL 50 RABO 0344 1442 91
Bank BIC RABONL2U
VAT number NL865144370B01
CoC number 89891368

DATASHEET - PP Black

Description

PP (PolyPropylene) Filament Black is a tough, lightweight material ideal for impact-resistant products, like hard shell insoles and AFO's. The material is optimized for the FDM/FFF process.

Print settings

These are recommended settings that may vary between different printers and also depend on environmental factors.

Property	Setting
Extruder	DirectDrive
Nozzle diameter	≥0,4 mm
Nozzle temperature	205 - 225°C
Build plate material	Glass or PEI
Speed	20 – 30 mm/s
Layer height	≥0,2 mm
Build plate temperature	50 - 60°C
Cooling	40 - 60%

Material properties

Test	Value
Tensile Modulus	215 MPa (XY) - 513 MPa (XZ)
Elongation at break	479% (XY), 7,5% (XZ)
Density	0,9 g/cm3

Storage and shelf life

Filament should be stored at room temperature (18-25°C (64.4 -77.0°F)) in a dry and dark place with humidity below 50%. Keep out of moisture, sunlight and direct heat. Preferably store in a sealed plastic bag with dessicant. When stored properly, product has a shelf life of at least 24 months.