FootPrint3D

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DATASHEET - Titanis Black

Description

Titanis Filament Black is specially developed for the production of medical orthotics. 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	240 - 250°C
Build plate material	Glass or PEI
Speed	60 - 120mm/s
Layer height	0,24 mm
Build chamber temperature	20 - 60°C
Build plate temperature	25 - 60°C
Cooling	100%

Material properties

Test	Value
Tensile Modulus	617 - 688 MPa
Elongation at break	>40%
Density	1.25 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 15%. Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of at least 24 months. To obtain the best parameters of the printed object, it is recommended to dry the material prior to usage and to 3D print it directly from a dry box.