TECHNICAL DATA SHEET





Date of issue: 3-11-2022 **Date of update: 23-8-2024**

Product specifications

ReFill PLA is manufactured for usage with re-usable master spools. Print your own spool. This filament reduces your carbon footprint significantly as packaging waste is reduced to an absolute minimum.

Important key features

Minimal packaging waste

Food contact approved according to EU directives

Very easy to 3D print

Functional prototypes Drones

Medical

Print with

Recommended pretreatment

Drying Not necessary

> 30 - 40 °C **Enclosure** No 12 h Dry box No

> > a/cm3

MPa

MPa

Recommended print settings regular speed

25 - mm/s Print speed Nozzle temperature 190 - 225 °C Bed temperature 50 - 60 °C

Fan speed 80 - 100 % Recommended print settings high speed

ASTM D882

ASTM D882

ASTM D882

ASTM E2092

ReFill PLA is high speed compatible. Our recommended settings will be added once available. Please take note that the nozzle temperature and fan speed need to be raised when

printing at high speed.

Suitable applications

Material properties

Typical value 1.24

Unit of Measure

Test method

Test condition

HDT A

Density

Specific gravity

Melt flow rate

Mechanical properties

Impact strenght

Tensile strenght at yield

53 Tensile strenght at break 3495 Tensile modulus

Elongation at yield

6 Elongation at break

Flexural strenght Flexural modulus Rockwell hardness

Thermal properties

165 Melting temperature

°C Heat deflection temperature 55

Vicat softening temperature

Glass transition temperature

Product export information

HS code **Description** Origin

European Union 39169090 Monofilament for 3D printing

Disclaimer

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