

Material Data Sheet

PLA



**MATERIAL
4PRINT**

your filament experts



Layer adhesion



Weather resistance



Easy to print



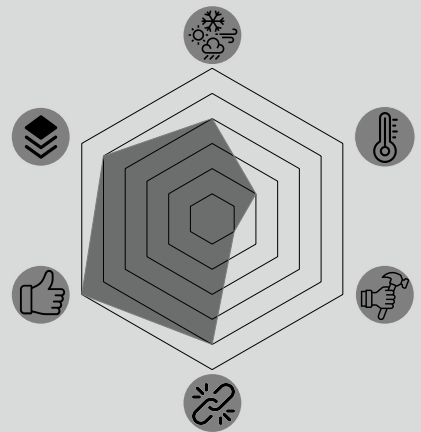
Heat resistance



Tensile strength



Impact resistance



Description

PLA is made from a renewable biodegradable biopolymer.

The type of 3D printing filament is optimized for FDM/FFF 3D printing technology

Identification

Name	PLA
Chemical Name	Polylactic Acid
Usage	FDM 3D Printing
Manufacturer	Material 4 Print GmbH & Co. KG, Germany

Properties

Test	Value	Method
Specific Gravity	1,24 g/cm ³	ASTM D792
Elongation at Break	160%	ASTM D882
Tensile Strength	60 MPa	ASTM D882
Tensile Modulus	3610 MPa	ASTM D882
Flexural Modulus	3830 MPa	ASTM D790
Notched Izod Impact	16 J/m	ASTM D256
Melting Point	145 - 160 °C	ASTM D3418
Heat Distortion Temperature	55 - 60 °C	ASTM D648
Flammability	HB	UL-94

If you have any further questions about the product or problems in its use, please contact info@material4print.de



Certificate



Certification depends on colors in the final product. More info in the additional information sheet.

Storage

Store at room temperature, out of direct heat and sunlight and in a dry place.

Print Settings

Nozzle Temperature: 200-230 °C
Bed Temperature: 40-60 °C

These data were taken from the raw material manufacturer.

12.04.2021

www.material4print.de

Contact: info@material4print.de