

Material Data Sheet

ESD-PLA

**MATERIAL
4PRINT**

your filament experts



Layer adhesion



Weather resistance



Easy to print



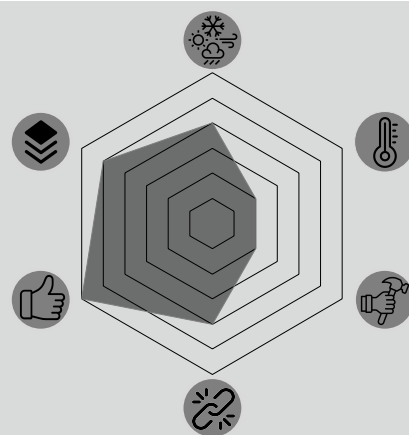
Heat resistance



Tensile strength



Impact resistance



Description

ESD PLA (Conductive) filament is an antistatic filament and is used in the electronics industry. Our ESD filament is used to protect electronic components that are sensitive to electrostatic discharge.

Identification

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

Properties

Test	Value	Method
Specific Gravity	1,27 g/cm ³	ASTM D792
Elongation at Break	160%	ASTM D882
Tensile Strength	37 MPa	DIN 53455
Tensile Modulus	2150 MPa	DIN 53457
Flexural Modulus	3800 MPa	ASTM D790
Melting Point	145 - 160 °C	ASTM D3418
Heat Distortion Temperature	65 - 70 °C	ASTM D648
Surface Resistance	>10 ⁶ - 10 ⁸ <	ASTM D257
Flammability	-	-

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: 210-230 °C
Bed Temperature: 40-65 °C

These data were taken from the raw material manufacturer.

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www.material4print.de

Contact: info@material4print.de