

Material Data Sheet

PETG



**MATERIAL
4PRINT**

your filament experts



Layer adhesion



Weather resistance



Easy to print



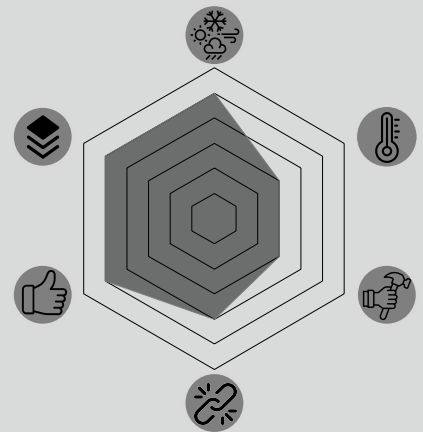
Heat resistance



Tensile strength



Impact resistance



Description

Polyethylenterephthalat (PET) is a thermoplastic Material which most people know in the form of PET-bottles. PETG is a glycol-modified PET, which is known for transparency and is nearly undestroyable. It is easy to print like PLA and in terms of mechanical properties even a bit better than ABS.

Identification

Name	PETG
Chemical Name	Polyethylenterephthalat + Glykol
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	70%	ASTM D638
Tensile Strength	53 MPa	ASTM D638
Flexural Modulus	2150 MPa	ASTM D790
Melting Point	200 - 230 °C	ASTM D3418
Heat Distortion Temperature	70 °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: 235-260 °C
Bed Temperature: 60-80 °C

These data were taken from the raw material manufacturer.

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Contact: info@material4print.de