

Material Data Sheet

PAHT

**MATERIAL
4PRINT**

your filament experts



Layer adhesion



Weather resistance



Easy to print



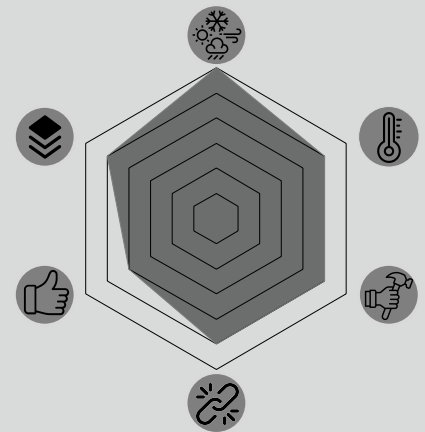
Heat resistance



Tensile strength



Impact resistance



Description

Our PAHT is a polyamide-based high-performance filament. It combines high mechanical strength with very high heat resistance. Compared to other nylon filaments, its water absorption is very low.

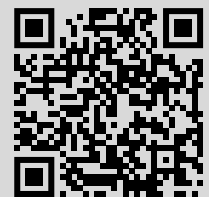
Identification

Name	PAHT
Chemical Name	Polyamide high temperature
Usage	FDM 3D Printing
Manufacturer	Material 4 Print GmbH & Co. KG, Germany

Properties

Test	Value	Method
Density	1,20 g/cm ³	ISO 1183-3
Water absorption (23°C/24h)	<0,3 %	ISO 62
Tensile strength	85 MPa	ISO 527
Elongation at break	3,6 %	ISO 527
Elastic modulus	3,4GPa	ISO 527
Impact resistance	NB	ISO 179 1eU
Heat deflection temperature (HDTA)	90 °C	ISO 75
Continuous use temperature (20.000h)	120 °C	IEC 60216
Service temperature (max. 200h)	160 °C	
Surface resistance	>10 ¹² OHM	ASTM D257

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: 260-290 °C
Bed Temperature: >50 °C
Dry before use: 4 h at 100 °C or 12 h at 70 °C

These data were taken from the raw material manufacturer.

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Contact: info@material4print.de