

Material Data Sheet

PMMA



**MATERIAL
4PRINT**

your filament experts



Layer adhesion



Weather resistance



Easy to print



Heat resistance



Tensile strength



Impact resistance



Description

Polymethylmethacrylat (PMMA) is a thermoplastic Material, also known as plexiglass or acrylic glass. PMMA is known for transparency and has an extremely high rigidity. Also are PMMA objects weatherproof. It is not so easy to print like PLA and we recommend a heated enclosure.

Identification

Name	PMMA
Chemical Name	Polymethylmethacrylat
Usage	FDM 3D Printing
Manufacturer	Material 4 Print GmbH & Co. KG, Germany

Properties

Test	Value	Method
Specific Gravity	1,17 g/cm ³	ISO 1183
Elongation at Break	49%	ISO 527
Tensile Strength	35 MPa	ISO 527
Flexural Modulus	1.8 Gpa	ISO 178
Melting Point	200 - 230 °C	
Heat Distortion Temperature	77 °C	ISO 75
Glass Transition Temperature	105 °C	ISO 11357-2
Flammability	HB	UL94

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: 240-270 °C
Bed Temperature: 90-110 °C

These data were taken from the raw material manufacturer.

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