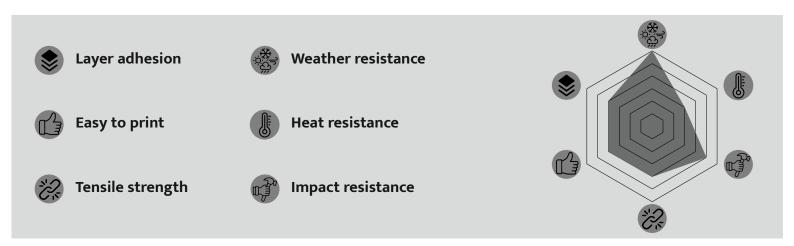
# Material Data Sheet PMMA





# **Description**

Polymethylmethacrylat (PMMA) is a thermoplastic Material, also known as plexiglass or acrylglass. PMMA is known for transparency and has a 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 <sup>3</sup>	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	НВ	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: 220-250 °C Bed Temperature: 90-110 °C

These data were taken from the raw material manufacturer.