

Technical Data Sheet

PLA MATT



PLA MATT is an easy to print variant on the everyday material PLA, with an aesthetical matt effect. Its surface diffuses light to give it a matt look and creates a rough feeling. PLA matt is slightly abrasive, please consider using a hardened nozzle. This material can be printed on most common printers and has a reliable bed adhesion to most common build plate materials.

Material features

- Matt effect, low light refraction
- Easy to print rough surface
- Reliable bed adhesion
- Improved printing speed compared to PLA

Additional information

Due to its low tendency to warp PLA MATT can also be printed without a heated bed. If you have a heated bed the recommended temperature is $\pm 35-60^{\circ}\text{C}$.

PLA MATT can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry ($15-25^{\circ}\text{C}$) and away from UV light. This enhances the shelf life significantly.

Filament specs

Size	Ø Tolerance	Roundness
1,75 mm	$\pm 0,05$ mm	$\geq 95\%$
2,85 mm	$\pm 0,10$ mm	$\geq 95\%$

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,38 g/cc
MFR 210°C/2,16 kg	ISO 1133	14 gr/10 min
Tensile Strength at Yield (MPa)	ISO 527	46,6 MPa
Strain at yield	ISO 527	2,1%
E-Modulus	ISO 527	3973 MPa
Printing temperature	DF	215 \pm 10°C