

# PLA MATT

PLA MATT is an easy to print variant on the everyday material PLA and exists for >70% out of recycled Post-Industrial PLA. Its surface diffuses light to give it a matt look and creates a rough feeling. PLA matte 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

## Filament specs.

Size	Ø tolerance	Roundness
1,75mm	± 0,05mm	≥ 95%
2,85mm	± 0,10mm	≥ 95%

## Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,4 g/cc
MFI 210°C/2,16 kg	ISO 1133	17 gr/10 min
Tensile strength at yield	ISO 527	46,6 MPa
Elongation strain at yield	ISO 527	1,8%
Tensile (E) Modulus	ISO 527	5740 MPa
Printing temp.	Internal method	215±10°C

## Additional info:

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 ≤60°C. It is recommended to use a hardened nozzle, due to the abrasive nature of the matting agent. PLA MATT can be used on all common desktop FDM or FFF technology 3D printers.

Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.

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