

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 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

1. Identification of the material

Trade name:	HotOrange3D
Chemical name:	Polylactic Acid
Use:	3D printing
Origin:	HotOrange3D – Netherlands

Disclaimer: The technical data contained on this data sheet is furnished without charge or obligation and accepted at the recipient's sole risk. This data should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.

2. Printer settings

Printer:	Desktop FFF printer
Heated bed:	± 35 - 60 °C
Nozzle:	Hardened

3. Material properties

Specific gravity:	1,38	g/cc	ISO 1183
MFR 210°C/2,16 kg:	14/10 min	gr	ISO 1133
Tensile Strength at Yield (MPa):	46,6	MPa	ISO 527
Strain at yield:	2,1	%	ISO 527
E-Modulus:	3973	MPa	ISO 527
Printing temp.:	215±10	°C	DF

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