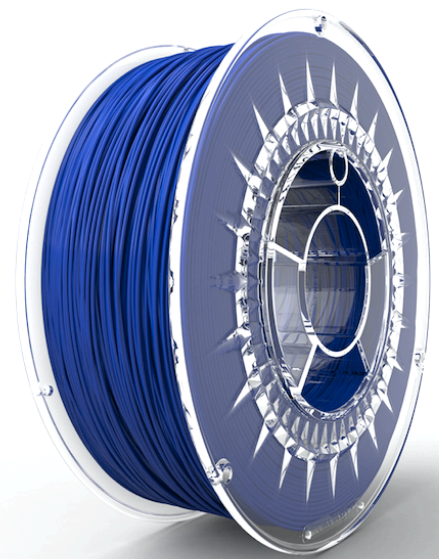


Product card: PLA MATT filament for 3D printing

**Product description:** PLA MATT filament – is a thermoplastic polyester in a form of fiber, used for 3D-printing using the FFF method. Filament wound on a spool, vacuum packed with a moisture absorber. The spool contains 1kg of net material. It can be used in all FFF printers that are not protected from external suppliers and open source structures before using. PLA MATT is biodegradable material produced from renewable natural resources. The material is characterized by low processing shrinkage and a matt surface.

Physical properties of the product:

Diameter of filament	1.75 mm / 2.85 mm
Dimensional tolerance of filament	+/- 0.05 mm
Roundness of filament	+/- 0.02 mm
Surface of the material	Matt
Shrinkage of the material	Very low
Product weight	1.0 kg net, 1.36 kg gross
Spool - material	Transparent polycarbonate
Weight of the empty spool	~250 g
The diameter of the spool	200 mm
Width of spool	~70 mm
Diameter of mounting hole	52 mm
Packaging	Printed cardboard
Package size	~205x205x80 mm
Vacuum packing	Yes
Moisture absorber	Yes



Suggested printing parameters:

Hotend	190-210°C
Heated bed	50-60°C
Cooling the printout	Optional

*Due to the structural differences of printers, the above figures should be considered as guidelines and the corresponding values must be determined experimentally.*

## Physical properties of the material:

Density	1.38 g/cm <sup>3</sup>	ISO 1183
Elongation at Break	20%	ISO 527
Tensile strength	35 MPa	ISO 527
Tensile modulus	3000 MPa	ISO 527

## Availability of colors and diameters:

Color	Kolor	1.75
Natural	Naturalny	✓
Bright Yellow	Jasnożółty	✓
Red	Czerwony	✓
Gray	Szary	✓
Super Blue	Niebieski	✓
Bright Green	Jasnozielony	✓
Black	Czarny	✓

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