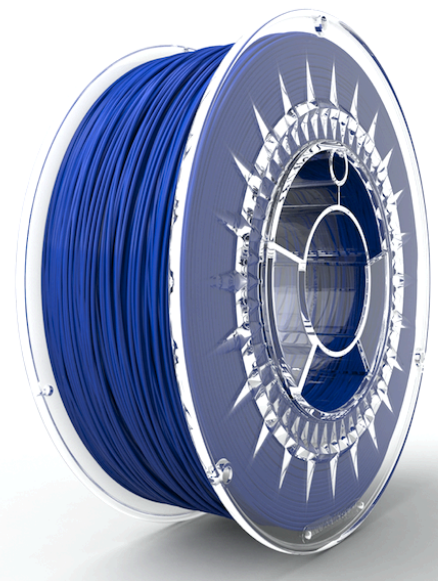


Product card: PLA filament for 3D printing.

Product description: Filament PLA - thermoplastic polyester in the 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 1 kg 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 is a biodegradable material, produced from renewable natural resources. It is dedicated primarily to amateurs due to trouble-free use.

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	Gloss
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	200-235°C
Heated bed	50-60°C
Cooling the printout	Recommended

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

Availability of colors and diameters:

Color	Kolor	RAL	1,75 - 1kg	2,85 - 1kg	1,75 - 0,33kg
Natural	Naturalny		✓		
White	Biały	9003	✓	✓	
Vanilla	Waniliowy	1013	✓		
Bright Yellow	Jasnożółty	1018	✓		
Yellow	Żółty	1012	✓		
Bright Orange	Jasnopomarańczowy	2007	✓		
Dark Orange	Ciemnopomarańczowy		✓		
Bright Pink	Jasnoróżowy	4010	✓		
Pink Pearl	Perłowy Różowy	4003	✓		
Purple	Purpurowy	4006	✓		
Hot Red	Czerwień	3033	✓		
Red	Czerwony	3031	✓		
Raspberry Red	Malinowy		✓		
Maroon	Bordowy		✓		
PC Gray	Jasnoszary	9002	✓		
Gray	Szary	7042	✓		
Dark Gray	Ciemnoszary	7043	✓		
Blue	Błękitny	5012	✓		
Super Blue	Niebieski	5002	✓		
Ocean Blue	Morski	5025	✓		
Navy Blue	Granatowy	5003	✓		
Violet	Fioletowy		✓		
Mint	Seledynowy	6027	✓		
Light Green	Lekkozielony	6024	✓		
Bright Green	Jasnozielony	6018	✓		
Emerald Green	Szmaragdowy Zielony	5018	✓		
Olive Green	Oliwkowy Zielony		✓		
Race Green	Wyścigowy Zielony		✓		
Silver	Srebrny		✓		
Gold	Złoty	1024	✓		
Aluminum	Aluminiowy	9022	✓		
Copper	Miedziany	8002	✓		
Beige	Beżowy	1014	✓		
Brown	Brązowy	8008	✓		
Black	Czarny	8022	✓	✓	
Galaxy Red	Galaktyczny Czerwony		✓		
Galaxy Super Blue	Galaktyczny Niebieski		✓		
Galaxy Violet	Galaktyczny Fioletowy		✓		
Galaxy Green	Galaktyczny Zielony		✓		
Galaxy Black	Galaktyczny Czarny	9017	✓		
Marble Light	Marmurowy Jasny		✓		
Marble Dark	Marmurowy Ciemny		✓		
Glow In The Dark Blue	Świecący w ciemności	7036	✓		✓

Physical properties of the material:

Density	1.24 g/cm ³	ASTM D1505
Elongation at Break	160%	ASTM D882
Spencer Impact	2.5 joules	-
Softening temperature	~50°C	-