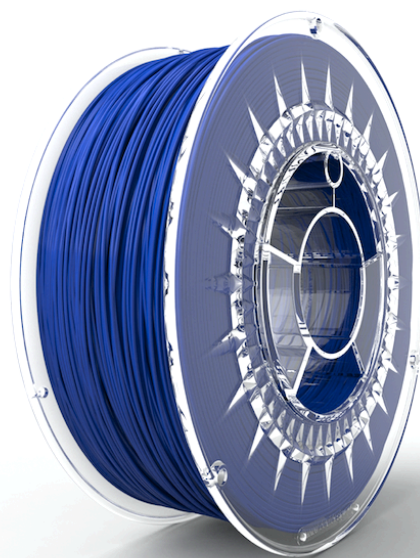


Product card: PLA filament for 3D printing.

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	RAL	1,75 - 1kg	Color	RAL	1,75 - 1kg	1,75 - 0,33kg
Natural		✓	Galaxy Red		✓	
White	9003	✓	Galaxy Super Blue		✓	
Vanilla	1015	✓	Galaxy Violet		✓	
Bright Yellow	1018	✓	Galaxy Green	6005	✓	
Super Yellow	1026	✓	Galaxy Black	9017	✓	
Yellow	1012	✓	Marble Light	7047	✓	
Bright Orange	2007	✓	Marble Dark	7048	✓	
Dark Orange	2002	✓	Sandstone	1001	✓	
Bright Pink	4010	✓	Graystone	7023	✓	
Pink Pearl	4003	✓	Brick Red	8004	✓	
Hot Red	3033	✓	Glow In The Dark Blue	7036	✓	✓
Red	3031	✓				
Super Red	3024	✓				
Dark Red	3002	✓				
PC Gray	9002	✓				
Light Gray	7035	✓				
Gray	7042	✓				
Dark Gray	7043	✓				
Blue	5012	✓				
Super Blue	5002	✓				
Ocean Blue	5025	✓				
Navy Blue	5003	✓				
Dark Violet	4004	✓				
Mint	6027	✓				
Light Green	6024	✓				
Bright Green	6018	✓				
Emerald Green	5018	✓				
Olive Green	6003	✓				
Green	6028	✓				
Race Green	6005	✓				
Silver	7046	✓				
Gold	1024	✓				
Aluminum	9022	✓				
Graphite	7024	✓				
Copper	8002	✓				
Dark Copper	8029	✓				
Beige	1014	✓				
Light Brown	3012	✓				
Brown	8003	✓				
Dark brown	8014	✓				
Black	8022	✓				

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	-