

Product card: SILK filament for 3D printing

Product description: SILK filament – a thermoplastic material 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 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. SILK is mix of PLA and PET-G materials is characteristic by very high gloss (shiny).

Physical properties of the product:

Diameter of filament	1.75 mm
Dimensional tolerance of filament	+/- 0.05 mm
Roundness of filament	+/- 0.02 mm
Surface of the material	High 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	225-245°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:

Specific Density	1.23 g/cm ³	-
Glass Transition Temperature	80°C	ASTM 3418
Moisture	≤ 0.3%	-

Availability of colors and diameters:

Color	RAL	1.75 - 1kg
White	9016	✓
Bright yellow	1016	✓
Bright orange	1034	✓
Bright pink	3015	✓
Red	3014	✓
Blue	5024	✓
Violet	4005	✓
Bright green	6019	✓
Silver		✓
Light gold		✓
Gold	1024	✓
Bronze	8025	✓