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 / 2.85 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 policarbonate
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/cm3	-
Glass Transition Temperature	80°C	ASTM 3418
Moisture	≤ 0.3%	-

Availability of colors and diameters:

Color	Kolor	1.75
White	Biały	✔
Bright yellow	Jasnożółty	✔
Bright orange	Jasnopomarańczowy	✔
Bright pink	Jasnoróżwowy	✔
Red	Czerwony	✔
Blue	Błękitny	✔
Violet	Fioletowy	✔
Bright green	Jasnozielony	✔
Gold	Złoty	✔
Bronze	Brązowy	✔

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