

Technical datasheet

colorFabb SteelFill

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ColorFabb SteelFill is a high quality PLA 3D printing filament, loaded with a high amount of stainless steel particles, especially developed for aesthetic prints. After printing, the objects need to be polished which will result in shiny and robust steel like appearance.

TYPICAL MATERIAL PROPERTIES

Physical properties	Unit	Value	Method
Density	g/cm ³	3,13	ISO 1183
Humidity absorption (23°C,50%RH)	%	0,3	
Tensile Strength	MPa	23	ISO 527
Flexural Strength	MPa	30	ISO 178
Flexural Modulus	MPa	3000	ISO 178
Tensile Elongation@break	%	1-3	ISO 527
Impact Strength (Izod-Un 23°C)	kJ/m ²	10	ISO 180

FILAMENT SPECIFICATION

Nominal diameter:	Diameter tolerance	Ovality
1,75 mm	± 0,05	≥ 95%
2,85 mm	± 0,10	≥ 95%

Netto filament weight 750 grams / 1500 grams

GUIDELINE FOR PRINT SETTINGS

Advised 3D printing temperature	190 - 210°C
Advised bed temperature	50-60°C if possible, but not strictly needed
Bed surface / modification	Glass plate, glue stick, polyimide tape, kapton tape
Active cooling fan	On
Advised 3D printing speed	40-80 mm/s

Disclaimer

The product- and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.