

## Technical datasheet

# colorFabb BronzeFill

Date of issue: August 9, 2017  
Version: v1.0



ColorFabb BronzeFill is a high quality PLA 3D printing filament, loaded with a high amount of bronze particles, especially developed for aesthetic prints. After printing, the objects need to be polished which will result in shiny bronze-like objects.

### TYPICAL MATERIAL PROPERTIES

Physical properties	Unit	Value	Method
Density	g/cm <sup>3</sup>	3,9	ISO 1183
Humidity absorption (23°C,50%RH)	%	0,3	
Tensile Strength	MPa	30	ISO 527
Flexural Strength	MPa	40	ISO 178
Flexural Modulus	MPa	9000	ISO 178
Tensile Elongation@break	%	5-10	ISO 527
Impact Strength (Izod-Un 23°C)	kJ/m <sup>2</sup>	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	195 - 220°C
Advised Bed temperature	50-60°C if possible, but strictly needed
Bed surface / modification	Glass plate, glue stick, polyimide tape, kapton tape
Active cooling fan	On
Advised 3D print speed	40-100 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.