

TECHNICAL DATA SHEET

PLA Metal Copper

MATERIAL PROPERTIES

2.36 g/cm ³
41.3 g/10min
27 MPa
35 MPa
3.8 kJ/m²

GUIDELINE FOR PRINT SETTINGS*

Nozzle temperature	195-230°C
Bed temperature	40-50°C
Active cooling fan	YES (up to 100%)
Layer height**	0.05 - 0.30 mm
Shell thickness**	≥ 0.20 mm
Closed chamber	not necessary
Dry box	no
Ruby or hardened nozzle	Yes
Recommended nozzle	≥ 0.4 mm
Adhesive	not necessary
	(if you need increased adhesion or prevent warping; glue

^{*} settings are based on a 0,4 mm nozzle.

Tip: Due to the high metal powder content in the PLA Metal series filaments, it is recommended to use nozzles larger than the standard 0.4mm. The high metal content may cause accelerated wear of standard brass nozzles; therefore, it is advisable to use hardened steel or ruby nozzles.

Disclaimer

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DESCRIPTION

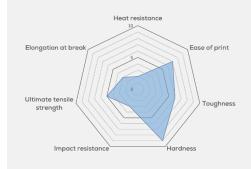
Spectrum PLA Metal Copper, enriched with copper powder, is an advanced material that combines the ease of printing typical of PLA with the aesthetics of metal. Due to the high copper powder content, prints made with this filament achieve a natural look and feel of genuine brass, including its weight and characteristic cool surface.

FEAUTURES

- · High copper powder content
- Authentic copper appearance
- Approximately two to three times heavier than standard PLA
- · Enhanced durability
- Ease of printing
- · Extensive post-processing possibilities

STORAGE AND SHELF LIFE

Filament should be stored in a dry room at room temperature. Recommended storage temperature is ca. 18-25°C (64.4-77.0°F). Keep out of moisture, sunlight and direct heat. When stored properly, product has a shelf life of 24 months.



SUPPORT

If you have any questions or experience any issues, please do not hesitate to contact us at support@spectrumfilaments.com



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