

MT-BRASS

MT-BRASS is our 70% brass filled filament which is easy to print and polish. With MT-brass you can create the most beautiful objects with real METAL characteristics. It has a 2,2 x higher weight than PLA , a METAL feel & touch and thermo-conductivity. Due to the high percentage of fillers MT-brass has virtually no shrinkage. Finally all above combined with the correct hardness results in a filament that can be printed on almost every type of FDM 3d printer available on the market with retraction enabled, on nozzles ≥ 0.35 mm.

Material features:

- Approx. 70% brass content
- PLA-based, 2,2 times heavier
- Metal feel & "cold" touch
- Excellent printability on both direct & Bowden style 3D printers
- Processing additive added for easy & reliable printing
- Quick & easy polishing and other post-processing
- Possibility to print with retraction
- Works on nozzles ≥ 0.35 mm



Printed

Polished

Colours:

MT-brass is available from stock in it's natural brass colour



Packaging:

M-ABS is available in nearly any type of packaging and labeling. Ask our team to help you customizing your product.

Filament specs.

Size	Ø tolerance	Roundness
1,75mm	$\pm 0,05$ mm	$\geq 95\%$
2,85mm	$\pm 0,10$ mm	$\geq 95\%$

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	2,78 g/cc
Printing temp.	DF	195 \pm 10°C
Melting temp.	ISO 294	195 \pm 10°C
Vicat softening temp.	ISO 306	65°C

Additional info:

MT-BRASS can be printed without a heated bed, but if you do have a heated bed the recommended temperature is $\pm 35-60^\circ\text{C}$. Do not use a glass plate alone as it will strongly adhere to the glass. Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly. MT-brass can be used on all common desktop FDM or FFF technology 3D printers.

* Please consider the use of a hardened steel nozzle when printing with MT-brass .
The brass powder inside makes the filament abrasive and will result in fast wear of regular brass nozzles.