

ENGLISH

Datasheet RS Pro MT-BRONZE

RS Stock No: 1254345

MT-BRONZE is our 80% bronze filled filament which is easy to print, sand & polish. With MT-BRONZE you can create the most beautiful objects with real METAL characteristics, such as a 3 x higher weight then PLA, a METAL feel & touch and thermo-conductivity. Due to the high percentage of fillers MT-BRONZE has virtually no shrinkage. A special lubricant increases the flow and prevents MT-BRONZE to adhere to the nozzle. 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.

Features:

Approx. 80% bronze content PLA-based, 3 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



Sanded and Polished P

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Ø tolerance	roundness
±0,05mm	≥ 95%
±0,10mm	≥ 95%
Test method	Typical value
ISO 1183	3,39 g/cc
-	n.a.
ISO 527	18,3 MPa
ISO 527	8,0%
ISO 527	3990 Mpa
ISO 180/A	11,3 KJ/m ²
Test method	Typical value
DF	195-220 °C
ISO 294	195°C ±10°C
ISO 306	±65°C
	Ø tolerance ±0,05mm ±0,10mm Test method ISO 1183 - ISO 527 ISO 527

Additional info:

MT-BRONZE can be printed without a heated bed, but if you do have a heated bed the recommended temperature is $\pm 35-60^{\circ}$ C. Storage: Cool and dry (15-25°C) and away from UV light. This enhances the shelf life significantly.

MT-BRONZE 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-BRONZE The bronze powder inside makes the filament abrasive and will result in fast wear of regular brass nozzles.

 Please have a look at the Printing, post-processing & other info document for further tips & tricks