

Suited for Intermediate Users

Magnetic Iron PLA byProto-pasta

3 mm , 500g reel

This iron-bearing premium 3D printing filament is attractive to magnetic fields. The finely ground iron particles also add a distinctive heft to 3D printed objects. On average they will weigh 50% more than a comparable item printed in PLA.

PRODUCT ALERT (2)

Compatibility Alert:

Due to the blended metal powder found in this filament, we strongly recommend using a LulzBot Tool Head with a .5mm nozzle for optimal 3D printing performance.

Prolonged use:

While our internal testing with the LulzBot Hexagon Hot End has not encountered measurable wear on the tool head, pay attention for any print quality changes.

Works with: LulzBot Mini, LulzBot TAZ 6, LulzBot TAZ 5, LulzBot TAZ 1-4, LulzBot TAZ/Mini Aerostruder, LulzBot TAZ Dual Extruder, LulzBot TAZ FlexyDually, LulzBot Hexagon, LulzBot TAZ 6 Hexagon, LulzBot TAZ 5 Hexagon, LulzBot Budaschnozzle

Features

Objects 3D printed with Magnetic Iron PLA filament can be post-processed to accelerate the iron oxidation process. Printed items may be submerged for 2-3 days for an aged and rusted appearance, or rusted more quickly by applying a special solution made with vinegar, hydrogen peroxide, and salt. See the Links section for directions on how to make this solution.

Highlight details by polishing raised surfaces on the 3D printed object. Suggested uses for Magnetic Iron PLA range from sculptures and busts to architectural details and models.

Parts & Specifications

Filament Specifications

Filament Diameter: 2.85 mm (0.11 inches)

Amount of Filament: 500 g (1.1 lbs)

Average Length of Filament: 48 m

Filament color may vary

Printing Specifications

Special Tool Head Requirements: LulzBot Hexagon Hot End with 0.50mm nozzle recommended

Hot End Temperature Range: 230°C

Print Surface: PEI film recommended

Print Surface Temperature: 60°C

Packaging Information

Magnetic Iron PLA filament ships vacuum sealed and mounted on a reel.