



Suited for Intermediate Users

## Conductive PLA by Proto-pasta

3 mm , 500g reel

Unleash your inner electrical engineer with this exciting new premium 3D printing filament. Since 3D printed objects have varying structures within them, the resistance across the 3D printed object varies as well! The resistance of the 3D printed object can be different when measured across the sides of the object than the resistance when measured from the top to the bottom.

## PRODUCT ALERT (2)

### Compatibility Alert:

Due to the carbon powder blended into 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/Mini Aerostruder, LulzBot TAZ Dual Extruder, LulzBot TAZ FlexyDually, LulzBot Hexagon, LulzBot TAZ 6 Hexagon, LulzBot TAZ 5 Hexagon, LulzBot Budaschnozzle

### Colors



Black

## Features

Use Conductive PLA filament for low-voltage printed-in-place applications such as contacts, switches, and even internal wiring traces. This premium 3D printing filament can also interact with some touch sensors and even touch screens.

## Parts & Specifications

### *Filament Specifications*

Filament Diameter: 2.85 mm (0.11 inches)

Amount of Filament: 500g (1.1 lbs)

Average Length of Filament: 77 m

Filament color may vary

Estimated resistance of 3D printed parts when measured perpendicular to the layers along the X/Y axis: 30 ohm-cm

Estimated resistance of 3D printed parts when measured through the layers along the Z axis: 115 ohm-cm

#### *Printing Specifications*

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

Hot End Temperature Range: 215°C-230°C

Print Surface: PEI film recommended

Print Surface Temperature: 60°C

#### *Packaging Information*

Conductive PLA filament ships vacuum sealed and mounted on a reel.