

## LulzBot Filament Testing Report

Manufacturer: Colorfab  
Filament Type: Brassfill PLA  
Tested By: Bam  
Date: 5.27.16

**Ease of use:** 9/10

**Appearance:** 10/10

**Color consistency:** 10/10

**Print temperature Range (C):** 200-230/40-60

**Variance in diameter:** (2.87-2.90mm)

**Minimum bend radius:** 50mm

**Prints using current Lulzbot profiles/temps:** Yes, current copperfill/bronzefill profile work great

**Manufacturers Temperatures:** 195-220C / 50-60C

Melting range: Approx.. 145- 170 °C

Thermal decomposition: > 240 °C

### General Notes:

- This prints exactly like Copperfill and Bronzefill
  - Prints quickly and well, but with lots of sagging and droop due to the high print temp required and higher than normal density
- Great look, great packaging
- Looks like it's now being sold in full 1.5kg spools
- Polishes well with a steel wire brush

### Health risks:

The components of this product are embedded in a polymer matrix and are therefore considered to present a negligible exposure risk under normal conditions of processing and handling, unless they are liberated during processing (fumes from melting, dusts). No toxicological studies have been performed so far on this compound (polymer mixture). This material is NOT intended to be used for medical applications, and NOT intended to be used for applications in contact with food and/or drinking water.

### Environmental risks:

Aquatic toxicity: No data have been generated for this mixture; brass powder does not meet the classification for chronic aquatic toxicity.

Information about elimination (persistence and degradability): PLA base resin of this compound is biodegradable

Other adverse effects: Brass powder filler is not expected to contribute to ozone depletion, ozone formation, global warming or acidification.

**Disposal Options:**

Product disposal: Recover or recycle if possible, contact supplier for recycling information. Dispose as hazardous waste, using the applicable EWC. Do not allow to enter the water course or sewage system.

Container disposal: Remove all packaging for recovery or disposal in line with the local authority regulations and EWC.

Local legislation: Consult local, state, federal, international or country specific regulations as appropriate.

**Recommendation:**

This filament prints well and we should be able to just clone the profile used for bronzefill, making it an easy filament to bring in. The appearance isn't too different from bronzefill, so we'll have to decide if it's worth adding another SKU. The filament is definitely R&D approved for use with lulzbots.



