

LulzBot Filament Testing Report

Manufacturer: Colorfabb
Filament Name: Bronzefill
Filament Type: Bronze powder filled PLA/PHA
Tested By: Brent M
Date: 10/20/2015

Ease of use: 6/10
Appearance: 8/10 - Can be polished
Size consistency: 10/10
Color consistency: 10/10
Print temperature: 230/60
Prints using Lulzbot profiles/temps: Yes, profiles had to be created for this material

Notes:

- Great density and feel, especially when polished
- Needed to be printed at a hotter temperature than manufacturer recommends (230 vs 190-210C)
- Color was very consistent throughout the roll.
- Nice professional looking packaging.
- The material is pretty brittle when printed (similar to laybrick), but it feeds off of the spool very nicely.
- Material tends to build up on the tip of the nozzle and cause print defects

Recommendation: This material is great looking, and can be printed well with the profiles developed, should be great for cosplay or decorative prints. Because of the potential heat creep issues and nozzle buildup, I would recommend classifying the material as “advanced” in the cura quickprint menu.

Filament	Variance in diameter	Maximum out of round	Extrusion temperature
Colorfabb Bronzefill (2.85mm)	2.82-2.87mm in 10m sample (<2%)	2.82-2.86mm (0.04mm)	230/60 worked well, running cooler could improve overhangs but may cause jamming

