



# PLA/PHA bambooFill for 3D Printers - 1.75mm Diameter - 600g

PRODUCT ID: 2475



## . Description

Having a 3D printer without filament is sort of like having a regular printer without paper or ink. And while a lot of printers come with some filament there's a good chance you've been printing up a storm and need something new. That's why we've started carrying a complete line of 3D printing filament in a variety of colors!

This **PLA/PHA bambooFill blend 1.75mm 600g spool** from colorFabb is a great material for 3D printers. This amazing one of a kind filament will allow you to print with **actual recycled bamboo** at home! Your prints will look absolutely amazing and your 3d printer cave will smell like a woodshop!

**Tips:** Start out with a bit rougher layers, 0.2 – 0.27mm (for 0.4mm nozzle) this will ensure that you're printing with a decent amount of material flow. This is important because it will make sure the material isn't spending too much time in the hot-zone of the 3D printer, which will degrade the polymer.

This filament has been tested successfully on a wide variety of printers, working well on both heated and non-heated build platforms. For those users printing on a cold build platform colorFabb advises applying blue painter's tape to the build area. For heated build platforms colorFabb used a temperature of 55-60°C which will keep the print sticking to the platform. It can be printed straight on glass or with a bit of gluestick applied to it. They've also printed it successfully on kapton tape with the same temperature settings. Testing showed reliable results using the all metal hot-ends, such as the E3D and the Makerbot Replicator 2 hotend. Hotends which use a teflon isolator coupler can generate adhesion to the bamboo filament possibly leading to clogs and is therefore not recommended for novice users yet.

# . Technical Details

**Please note: PLA/PHA filament cannot be used with New Matter MOD-t 3D printers.**

- Advised 3D printing temperature: 195-220°C
- Advised 3D print speed: 40 - 100 mm/s
- Advised Heated bed (if you have one, not strictly necessary): 50-60° C
- Diameter Tolerance:  $\pm 0.05\text{mm}$
- Glass Transition Temperature: 55°C