LulzBot Filament Testing Report

Manufacturer: Verbatim
Filament Name: PLA natural 3mm
Filament Type: PLA
Tested By: Brent M
Date: 7/10/2015

Ease of use: 10/10, Prints well with standard PLA profiles
Appearance: 10/10, definitely the nicest looking natural PLA I've seen, much whiter than normal
Size consistency: Excellent, 2.88-2.89 across a 20m sample
Color consistency: N/A, this is a non colored sample
Print temperature: Prints well at 205C/60C with 100% fan
Prints using Lulzbot profiles/temps: Yes

Recommendation:
This seems to be a very high quality filament, on par with in-PLA and some of the other high end PLA's on the market so it's unclear if it would add anything to our lineup. It came well packages in a vacuum sealed bag with desiccant, and a nice custom HDPE spool (one of the few spools we've seen marked with recycling information). It's got great dimensional accuracy and printability, definitely "LulzBot Approved".

Notes:
- This PLA was the most consistent filament tested here to date in terms of roundness and diameter.
- Much lighter color than e-sun's natural PLA, especially when printed
- Plain packaging, but really nice quality and appearance. Colors and labels have the feel of an inkjet cartridge
- Great bridging ability and dimensional accuracy
- Has a nice glossy appearance when printed at 205C

Filament	Variance in diameter	Maximum out of round	Extrusion temperature
Natural PLA	0.01mm (2.88-2.89)	0.01 (2.88-2.89)	200-220 (205/60 works well on LulzBot Mini)