

LulzBot Filament Testing Report

Manufacturer: Chromastrand
Filament Name: Prima
Filament Type: Amphora (Eastman)
Tested By: Brent M
Date: 8/11/2015

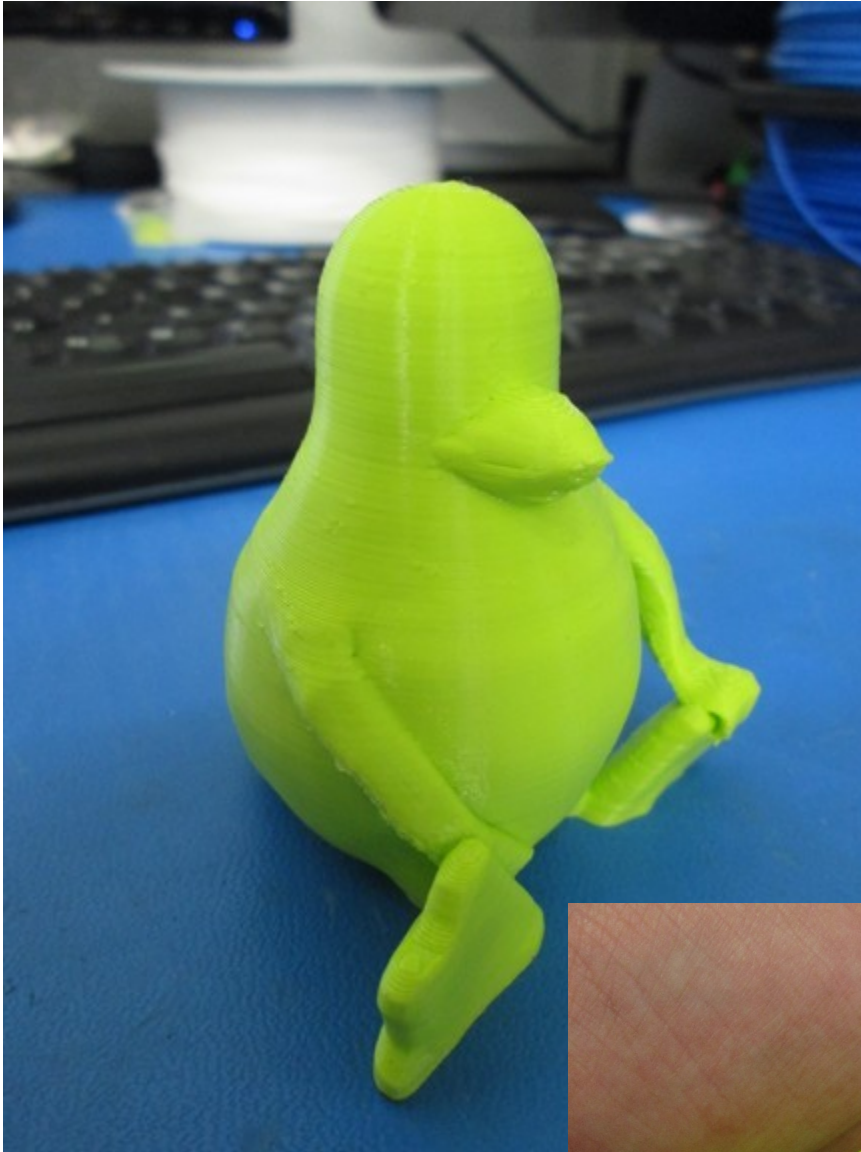
Ease of use: 10/10
Appearance: 10/10 – great pantone match for the lulzbot green
Size consistency: 9/10
Color consistency: 10/10
Print temperature: 235/60
Prints using Lulzbot profiles/temps: Yes, prints great with the N-Vent profiles

Recommendation: This is a material that we already know is great, and in our signature color. The filament prints well using our standard N-Vent profiles, which would likely need to be cloned if we release this filament under the new name (Chromastrand Prima ← ?).

Notes:

- This filament prints just like the N-Vent brand of Amphora as expected
- The LulzBot Green pantone match is really good, much better than village plastics and on par with e-sun's color matching
- Color was consistent throughout the roll
- Interestingly, the filament itself has a very smooth surface texture compared to the Taulman version, it doesn't seem to effect printing at all
- Came on generic spool in a plastic bag as it's an initial testing run, not sure what the final packaging is going to look like.

Filament	Variance in diameter	Maximum out of round	Extrusion temperature
Lulzbot Green Chromastrand Prima	2.82-2.86mm in 10m sample (<2%)	2.83-2.86mm	235/60 worked well, running cooler could improve overhangs



Right: Comparison of Prima with our existing Lulz Green HIPS from E-sun.