Subject: New Plastic Colours?
Posted by PeregrineStudios on Thu, 10 Jan 2013 18:42:46 GMT
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First off, not sure if this is in the right place. If not, sorry!

Now then, on to business. I was wondering if we're going to see more plastic colours come out in addition to the red, pink, etc. we already have. I'm personally hoping, looking, and asking for plastics in shades designed to look like they belong with our three stainless steel finishes - steel, bronze, and gold.

The reason I ask is that for many designs, it's simply not practical or possible to design the entire product out of stainless steel, either for price reasons or material reasons. However, often these different parts are meant to go together (like a bead on a pendant). Yes, we can spray paint our WSF plastic to look like these finishes, but it never matches up exactly. I personally would love to see plastic finishes that are as close as possible in shade to stainless steel finishes. Or even go a step further and add a new variety of plastic material with bronze, gold, and steel powder mixed in (I'm not sure if that's doable with 3D printing, however). I know that many designers who make things 'the old-fashioned way' will, if they want a cheap prop that looks like bronze, often use a clear resin plastic and mix in some brown colouring and bronze powder. I'd love to see something like that available on Shapeways.

Just my two cents, anyhow.

Subject: Re: New Plastic Colours?
Posted by DaBroNrw on Fri, 11 Jan 2013 08:25:14 GMT
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I also like to know if there is a chance to get more colors:

like (colors normally most people wanted or? Because of the standard color range: red, green, yellow, -blue- beside black and white)
green tone
yellow tone
brown/ beige tone

and some special wishes... (I think with no real chance...)
flesh color??
and grey again (because alumid is to brittle)
dark blue

cu
Ingo

Subject: Re: New Plastic Colours?
Posted by Bathsheba on Fri, 11 Jan 2013 11:53:10 GMT
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GLOW IN THE DARK PLZ KTHX

Subject: Re: New Plastic Colours?
Posted by PeregrineStudios on Mon, 14 Jan 2013 02:12:08 GMT
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Ooooh, that's a good idea too. That never even occurred to me.

Subject: Re: New Plastic Colours?
Posted by Spot138 on Mon, 14 Jan 2013 03:16:11 GMT
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I'd die for glow n the dark - but who knows if its even possible?

Subject: Re: New Plastic Colours?
Posted by Bathsheba on Mon, 14 Jan 2013 03:56:54 GMT
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It's already available in spools for home printers.

More to the point, glow ceramic glaze is a thing. http://www.glo-net.com/ceramic.html

I don't understand what everyone is doing all day that they think is more important than this.
Can I get a witness?!

Subject: Re: New Plastic Colours?

Posted by Kaetemi on Mon, 14 Jan 2013 13:45:41 GMT
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Someone should modify a WSF laser machine to include a printhead from a color printer so it can switch between printing the colors and lasering and provide the most awesome full color strong and flexible material ever.

Subject: Re: New Plastic Colours?
Posted by mkroeker on Tue, 15 Jan 2013 23:35:41 GMT
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Problem with glow-in-the-dark stuff is probably that these materials are pigments, not dyes (and relatively coarse-grained powders
if you want any significant effect). Either zinc sulfide (green and longer wavelengths down to red by using an additional dye) or
rare-earth silicate (blue). This probably makes them easier to use in the FDM process or in glaze (easier to disperse evenly in
viscous materials).
That said, the blue phosphorescent material is pretty amazing - gives off an eery glow for many hours. Sadly, I have not found an appropriate
problem for this solution yet - perhaps I should model the crystal structure of some uranium ore and paint the uranium atoms to produce what
looks like cherenkov radiation. (Another nice thing about this pigment is that it is a harmless off-white, unlike the zinc sulfide that is a sickly green
even in daylight)

(Edited: mis-spelling of rare-earth...)

Subject: Re: New Plastic Colours?
Posted by mkroeker on Tue, 15 Jan 2013 23:39:21 GMT
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I guess the zcorp guys already thought about that - but the inkjet dyes do not exactly like being torched by a laser...