Subject: cannot print in ceramics
Posted by sindarapos on Tue, 23 Oct 2012 08:49:21 GMT
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Dear shapeway users,

Recently I wanted to print a chess piece of mine in the new ceramic material. The model past the initial test and it could be printed in various materials. However, the shapeways' website would not let me select any of the ceramic materials. The website simply stated "not printable in this material".

I tried making it hollow, but that does not seem to do the trick.

Does anyone know what parts of my model need to be changed in order to make it viable for printing in ceramics?

Subject: Re: cannot print in ceramics
Posted by Youknowwho4eva on Tue, 23 Oct 2012 14:23:26 GMT
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Hollowing will only make it more expensive in ceramics. Is the sum of the bounding box at least 120mm? That is the requirement for ceramics.

Subject: Re: cannot print in ceramics
Posted by sindarapos on Tue, 23 Oct 2012 14:44:47 GMT
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Thanks for your reply!

Indeed, the bounding box was a little too small. However, I do not want to change the dimensions of my print. Could I just add another stl-object to my design to aquire the correct bounding box size (e.g. another chess piece)?

Subject: Re: cannot print in ceramics
Posted by Youknowwho4eva on Tue, 23 Oct 2012 14:54:35 GMT

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Check out the rules here, if you go down the the multiple parts section, you'll see that each part needs to fit the 120 rule.

Subject: Re: cannot print in ceramics
Posted by MidnightCreations on Thu, 15 Nov 2012 18:03:11 GMT
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I don't understand why the errors are generic "needs a bit more love" and "not printable in this material".

The reasons for being unavailable must be known to be tested, so why aren't they provided so people can directly go and fix them, instead of having to manually go through a checklist.

Subject: Re: cannot print in ceramics
Posted by Youknowwho4eva on Thu, 15 Nov 2012 18:43:51 GMT
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For items that are listed as not printable, there is sometimes an explanation point that you can mouse over and get an explanation. As far as the email, that is in the works.

Subject: Re: cannot print in ceramics
Posted by stop4stuff on Fri, 16 Nov 2012 09:44:12 GMT
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Youknowwho4eva wrote on Thu, 15 November 2012 18:43For items that are listed as not printable, there is sometimes an explanation point that you can mouse over and get an explanation. As far as the email, that is in the works.

And to add - there are sets of conditions whereby Shapeways Mesh Medic rejects a perfectly fine model that should pass all checks, but is rejected with a generic 'needs more love' rejection due to Mesh Medic hitting a pre-defined 'time-out'*. The sets of conditions could be a model with a relatively low triangle count (sub 500k) but with a high intertwined mesh count e.g. chain maille or a high triangle count single mesh complex model (950k+) or mid/high triangle count (500k+) coloured model.

*At some point last year the time-out was 30 minutes, but I don't know if this is still the case.

Paul

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