Subject: Something is wrong, but I do not get what is wrong.
Posted by lgrfbs on Wed, 08 May 2013 19:49:40 GMT
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My friend leifsson asked my to make some stl-files, but now we do not understand what is wrong with the design.

This is what leifsson get in the email + the images:
Quote:
Hi leifsson,

We're really sorry to let you know that there was a problem with your recent order. These design(s) could not be 3D printed in the material selected:

Grundborr-Expander2 X6 in Frosted Ultra Detail
Reason: Bad file
Additional information: The file contains shells which aren't attached correctly, printing it will result in them not being attached and lost in the printer.
Grundborr-Expander1 X6 in Frosted Ultra Detail
Reason: Bad file
Additional information: The file contains shells which aren't attached correctly, printing it will result in them not being attached and lost in the printer.
Grundborr2 X6 in Frosted Ultra Detail
Reason: Bad file
Additional information: The file contains shells which aren't attached correctly, printing it will result in them not being attached and lost in the printer.
Grundborr1 X6 in Frosted Ultra Detail
Reason: Bad file
Additional information: The file contains shells which aren't attached correctly, printing it will result in them not being attached and lost in the printer.

Please take a look at the attached images for further explanation. We've highlighted a few areas that will cause issues when printing.

Given the nature of 3D printing (converting digital files into physical products), every now and then we catch designs that will be too fragile to create in certain materials. Though we do our best to defy the laws of physics and try to find these issues as early as possible, some are only found during the manufacturing process.

We have credited your account, which you can use to purchase anything on Shapeways. If you do not wish to order anything else at this time, please let us know and we will arrange a refund.

Amount Credited: â‚¬###.##

View My Credits

Sorry for the inconvenience.

Your continued satisfaction is our top priority, so if there's anything else we can do to help, please let us know!

Kind regards,

The Shapeways Service Team

The file "All files.zip" do have all stl-files and images from shapeways.

if the stl-file not was correct, way did them pass the first test of files?
So can any tell what is wrong in this design?

File Attachments

1) All img from Shapeways.png, downloaded 193 times
2) All files.zip, downloaded 27 times

Subject: Re: Something is wrong, but I do not get what is wrong.
Posted by mkroeker on Wed, 08 May 2013 22:01:39 GMT
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Quick first guess - not all of these parts are attached to the sprue, and the individual parts are too small
to print them without it ? Try checking your file with netfabb studio basic and/or running it through the free
netfabb cloud service to coalesce all parts into one "shell".

Subject: Re: Something is wrong, but I do not get what is wrong.
Posted by Youknowwho4eva on Thu, 09 May 2013 13:14:14 GMT
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I looked at the file in netfabb, and your pieces are very close together, but it's impossible to see (at

least with my experiance) if their are gaps. If you can join all your pieces together before uploading, that should resolve any issues, But it looks like some may be either sitting face to face, or not have any contact at all.

Subject: Re: Something is wrong, but I do not get what is wrong.
Posted by lgrfbs on Thu, 09 May 2013 13:38:08 GMT
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I loaded one of the files in NetFab but I a all okey there.
New STL file for testing

File Attachments

1) Expander1 x 10_a.stl, downloaded 22 times
2) Expander1 x 10.png, downloaded 37 times

Subject: Re: Something is wrong, but I do not get what is wrong.
Posted by JACANT on Thu, 09 May 2013 19:51:10 GMT
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Some of the walls are too thin . Check the design rules for each of the materials.
http://www.shapeways.com/materials/frosted-detail-design-gui delines

File Attachments

1) wall thickness.png, downloaded 131 times

Subject: Re: Something is wrong, but I do not get what is wrong.
Posted by stop4stuff on Fri, 10 May 2013 11:53:46 GMT
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In the images, the parts in green are one shell, the parts in blue are seperate shells.

Paul

Subject: Re: Something is wrong, but I do not get what is wrong.
Posted by lgrfbs on Fri, 10 May 2013 18:27:19 GMT
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Thank you all!
about hole with dimension 0.2mm in wall I had forgotten to check out precisely the dimension, drawn just as the sketch showed without thinking, embarrassing.