Subject: Cant get ceramic option!
Posted by steve69 on Sun, 13 Jan 2013 02:30:03 GMT
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My model has an obvious base. But the preview shows it sideways and needs to be rotated 90 degrees. Is the problem? or is it that my piece has a hole? (torus coffee cup handles print so it cant be that reason). Any help would be appreciated.

Subject: Re: Cant get ceramic option!
Posted by Fredd on Sun, 13 Jan 2013 03:07:22 GMT
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Attaching a file in a post does wonders In allowing others diagnose problems in a model. I am not trying to be a SA, but it does help considerably
.

Keith

Subject: Re: Cant get ceramic option!
Posted by steve69 on Sun, 13 Jan 2013 04:39:28 GMT
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Enclosed here is the file. I guess linking to the uploaded stl file would be better..

Edit: I added chamfers where I could since I cant get a good fillet tool for sketchp

File Attachments
1) ceramic-3dprinted.dae, downloaded 43 times

Subject: Re: Cant get ceramic option!
Posted by denali3ddesign on Sun, 13 Jan 2013 09:03:21 GMT
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Exporting DAE from Sketchup flips the model by 90 degrees. If you rotate the model in Sketchup before exporting, it will show up correctly in the Shapeways render...

File Attachments
1) Sketchup-DAE-Export.jpg, downloaded 170 times

Subject: Re: Cant get ceramic option!
Posted by denali3ddesign on Sun, 13 Jan 2013 09:56:08 GMT
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Two other possible problems...the model isn't solid, and the hole thru the model isn't filleted/chamfered.

Use this plugin for checking solids in Sketchup, and use this one for filleting corners in Sketchup.

Subject: Re: Cant get ceramic option!
Posted by steve69 on Mon, 14 Jan 2013 03:15:04 GMT
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Ok for that: I got the proper orientation. thanks but no ceramic option yet

Subject: Re: Cant get ceramic option!
Posted by steve69 on Mon, 14 Jan 2013 03:21:50 GMT
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denali3ddesign wrote on Sun, 13 January 2013 09:56Two other possible problems...the model isn't solid, and the hole thru the model isn't filleted/chamfered.

Use this plugin for checking solids in Sketchup, and use this one for filleting corners in Sketchup.

Ok thanks, I got both plugins and that produced the filleted geometry (1/16 and 1/32inch radius). (see link http://shpws.me/n7JZ) But as seen here, solid inpector shows the piece is actually two parts! cant seem to get them glued...

File Attachments
1) part-check.jpg, downloaded 149 times

Subject: Re: Cant get ceramic option!
Posted by stop4stuff on Mon, 14 Jan 2013 08:55:02 GMT
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You need to make the model page available to others for us to see it
But I'm guessing the item is either too small or too big, from Ceramics Design Gudelines
Min Bounding Box: x+y+zâ‰¥120mm - Max Bounding Box: 340x240x170mm AND x+y+z<=400mm

Paul
stop4stuff Modeller for hireShapeways Shop - Controller PendantTwitterYouTube

Subject: Re: Cant get ceramic option!
Posted by denali3ddesign on Mon, 14 Jan 2013 10:59:43 GMT
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steve69 wrote on Mon, 14 January 2013 03:21...But as seen here, solid inpector shows the piece is actually two parts! cant seem to get them glued...
There is an internal face in there that needs to be deleted...you may have to Select all > Right Click > Intersect faces with model to delete it.

As Paul suggests above, I think your part is too small for ceramics.

Subject: Re: Cant get ceramic option!
Posted by steve69 on Tue, 15 Jan 2013 00:55:55 GMT
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Thanks for letting me know. Fact is, the materials page only mentions max size.

Subject: Re: Cant get ceramic option!

Posted by denali3ddesign on Tue, 15 Jan 2013 01:00:37 GMT
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If you click the "Design Guidelines" tab, there is more detailed info available, including the minimum size...

File Attachments

1) ceramics.JPG, downloaded 117 times

Subject: Re: Cant get ceramic option!
Posted by steve69 on Tue, 15 Jan 2013 02:19:35 GMT
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denali3ddesign wrote on Mon, 14 January 2013 10:59steve69 wrote on Mon, 14 January 2013 03:21...But as seen here, solid inpector shows the piece is actually two parts! cant seem to get them glued...
There is an internal face in there that needs to be deleted...you may have to Select all > Right Click > Intersect faces with model to delete it.

As Paul suggests above, I think your part is too small for ceramics.

Yes I redid the fillets in Sketchup and deleted the offending face inside the part by deleting the base face then putting it back after correcting.
When I re-uploaded to my account, still no ceramic. I doubled its size in Sketchup then reuploaded NOW IT WORKS!

Unfortunately I need the part to be 1.25in diameter not 2.5!

My solution: combine two identical parts joined with a breakable flue

EDIT: actually a connecting rod is not necessary, ill just put 2 parts in the dae file.

Subject: Re: Cant get ceramic option!
Posted by steve69 on Tue, 15 Jan 2013 03:03:30 GMT
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Ok thanks the design guideline TAB details it quite well