
Subject: Why is this cube so expensive
Posted by [Silverbeam](#) on Sat, 06 Oct 2012 18:06:53 GMT
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So I made a 2 inch cube with an inner wall of 1mm. why is my cube over 100.00\$ dollars? I have lots of things uploaded and printed that would easily fill up several of the same sized cubes for less. So confused.

Subject: Re: Why is this cube so expensive
Posted by [JACANT](#) on Sat, 06 Oct 2012 18:21:37 GMT
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Maybe this will help and explain.
<http://www.shapeways.com/tutorials/creating-hollow-objects>

Subject: Re: Why is this cube so expensive
Posted by [Silverbeam](#) on Sat, 06 Oct 2012 18:39:29 GMT
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I made it hollow, that's what I said about the 1mm thickness.

This is not my first model by far.

Subject: Re: Why is this cube so expensive
Posted by [JACANT](#) on Sat, 06 Oct 2012 18:43:22 GMT
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You have to make sure there is a hole or tunnel joining the inside to the outside . Otherwise Shapeways wil just ignore the inside and treat it as a solid

Subject: Re: Why is this cube so expensive
Posted by [Silverbeam](#) on Sat, 06 Oct 2012 18:59:47 GMT
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Are you sure? It doesn't seem that way on how it is worded, and not according to many of my models in the past. However I could be wrong and it is as you say, if so that would leave a lot to

explore.

I will have to ask shapeways themselves to see what they say, unless you have already asked.

Subject: Re: Why is this cube so expensive
Posted by [JACANT](#) on Sat, 06 Oct 2012 19:12:36 GMT
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These two models are the same size and both are hollow. The first has a 1mm hole in the top, you can just see it.

<http://www.shapeways.com/model/727711/f6744799f7da5da23d9b83d80b16a342>

<http://www.shapeways.com/model/727712/62a498ba9f43c766ed88d34d15f6fc74>

Big difference in the price.

Subject: Re: Why is this cube so expensive
Posted by [Silverbeam](#) on Sat, 06 Oct 2012 19:14:46 GMT
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If so then they need to be more explicit in the description.

Also I cant see those links.

Subject: Re: Why is this cube so expensive
Posted by [JACANT](#) on Sat, 06 Oct 2012 19:27:31 GMT
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Sorry I forgot to make them Display to the public

<http://www.shapeways.com/search?q=jacant&sort=newest>

Subject: Re: Why is this cube so expensive
Posted by [Fredd](#) on Sun, 07 Oct 2012 03:33:44 GMT
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If you have a volume inside a volume, Shapeways acts as a surface modeller. If you submerged the model in water, any surface that gets wet defines the volume. The inner volume you created is

ignored by since it can not get wet. Now if you drilled a hole connecting the outer surface to the inner volumes surface, and the face normals are correctly aligned, you would have both the inner surface and outer surface connected providing a uniform surface that allows the printer to detect the hollowed out area. Plus the drainage hole needed once the model is printed. I experimented with boolean difference modifiers with a smaller cube inside a cube for the proper technique, using a cylinder as the drill object. Just experiment a little, if you need any help PM me.
Keith
