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Subject: Mechanical uses of glazed ceramic parts  
Posted by [PreparacionesCSC](#) on Wed, 17 Oct 2012 14:56:02 GMT  
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Hi everybody.

I'm starting really challenging project with some glazed ceramic parts and I got some questions about the ceramics printing process and mechanical use of these parts.

Standard ceramic pottering need to design/make models almost 7% bigger due to the shrinking "cooking" process.

How about ceramic printing?

Other question is about thermal resistance of the glazed ceramic parts.

Would any of these parts handle temperatures about 500°C?

And last question is about mechanical use. I want to make a part that spins with tight tolerances touching a polished metal ring.

Hardness of the glazed surface?

Any help will be appreciated.

Thanks in advance.

Cesar.

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Subject: Re: Mechanical uses of glazed ceramic parts  
Posted by [Youknowwho4eva](#) on Wed, 17 Oct 2012 15:04:36 GMT  
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Shrinkage very much depends on thickness and volume of the model as well as the moisture content of the base material, so to make the item come out to dimension is nearly impossible. The Ceramic material is very fragile, I wouldn't use it in a mechanical function. And for the temperature, The Ceramics materials page states "It is heatproof to 500C/932F degrees. "

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