
Subject: WSF thickness and flexibility
Posted by [skeh](#) on Sat, 24 Mar 2012 12:06:34 GMT
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Hi All,

I need a flexible sheet in my model and I found this video

http://www.youtube.com/watch?v=wXgbJB9v6Zk&feature=player_embedded#!

What is the thickness of this piece to make it this flexible?

Serge

Subject: Re: WSF thickness and flexibility
Posted by [skeh](#) on Tue, 27 Mar 2012 08:06:54 GMT
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Really nobody that knows how thickness relates to flexibility?

Desperately need it

Subject: Re: WSF thickness and flexibility
Posted by [stop4stuff](#) on Tue, 27 Mar 2012 09:40:53 GMT
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For a wire, 0.8mm is very flexible - see; <http://www.youtube.com/watch?v=XNXz1D0R0Ls> - with a sheet the same thickness will be stiffer, but you are able to go down to the minimum wall thickness of 0.7mm for WSF if the area is not too large.

Subject: Re: WSF thickness and flexibility
Posted by [BillBedford](#) on Tue, 27 Mar 2012 12:01:37 GMT
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skeh wrote on Tue, 27 March 2012 08:06 Really nobody that knows how thickness relates to flexibility?

Sort of, but it's complicated

Try this page and ignore all the stuff about model locos.....

Subject: Re: WSF thickness and flexibility

Posted by [VeryWetPaint](#) on Thu, 29 Mar 2012 00:26:21 GMT

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skeh wrote on Tue, 27 March 2012 08:06 Really nobody that knows how thickness relates to flexibility?

Desperately need it

The short answer is simply: you just can't do that under the current design rules.

To achieve that sort of flexibility you'd need a wall thickness in the range of 0.3-0.4mm, but Shapeways no longer permits models so thin because of production issues. (The rules have changed since that video was made.)
