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

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

Serge

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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

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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.

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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.....

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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.)

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