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Subject: WSF: Oil?

Posted by [richardperry](#) on Sun, 03 Apr 2011 13:59:22 GMT

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Hi

I would like to have printed an oil candle I have designed. The candle has to hold oil (similar consistency to vegetable oil).

I would like to make it out of WSF material, however it says that this is not waterproof. My question is, would it be oil proof?

If not, then would be Alumide material be oil proof?

Thanks, Richard

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Subject: Re: WSF: Oil?

Posted by [stop4stuff](#) on Sun, 03 Apr 2011 15:03:43 GMT

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WSF is not so much 'not waterproof' but more 'porous', even though oil is less dense than water, you'd be needing to look at the viscosity of the oil and the porosity of WSF for an absolute answer (sorry if that is vague)... any-which-way, I'd not recommend WSF for a oil based candle for two reasons, firstly if the WSF soaks up oil, it may become the wick too, and secondly WSF is basically a nylon type plastic which can melt or burn. Your safest bet would be either stainless steel or glossy glass.

Alumide is the same material as WSF with added aluminium powder, so again not so suitable.

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