Subject: More on FUD
Posted by BillBedford on Fri, 06 Jul 2012 16:46:18 GMT
View Forum Message <> Reply to Message

I recently managed to leave some FUD pieces overnight* in some cheap nail varnish remover. When I eventually rescued them I found that they had softened and become pliable. I would guess that they would be nearly as pliable as styrene sheet.

Has anyone else seen this?

The active ingredients of the NVR are
Acetone
Water
Propylene Glycol
Glycerin.

*OK I got distracted and forgot about them until the next morning.

Subject: Re: More on FUD
Posted by GWMT on Fri, 06 Jul 2012 19:28:36 GMT
View Forum Message <> Reply to Message

Yes - I left some FUD parts in nail polish remover (almost 100% acetone) for about 40 minutes and they were flexible/rubbery when I remembered to take them out (I usually leave them for about 15 minutes max). Several parts fell off the sprues (0.3mm x 0.6mm connective surface) when I handled them.

I washed them in water and set them on a towel to dry; in less than an hour they were back to normal.

Frosted Detail printed in thin sheets (0.5 - 0.7mm) is very flexible; it reminds me of Tupperware.

Subject: Re: More on FUD

Posted by fred.oliver on Mon, 30 Jul 2012 15:06:03 GMT
View Forum Message <> Reply to Message

I have some wonderful models of World War One biplanes in FUD. Unfortunately, their wings droop. If I soak them in acetone to make them flexible and try to bend them back into shape, do you think they'll stay that way when they dry or go back to drooping?

Subject: Re: More on FUD
Posted by BillBedford on Mon, 30 Jul 2012 16:22:43 GMT
View Forum Message <> Reply to Message

You would be better soaking them in very hot water.

Subject: Re: More on FUD
Posted by fred.oliver on Mon, 30 Jul 2012 17:45:02 GMT
View Forum Message <> Reply to Message

Thanks. I'll give it a try.

Subject: Re: More on FUD
Posted by GWMT on Mon, 30 Jul 2012 17:57:42 GMT
View Forum Message <> Reply to Message

Hi fred;

Try warming it up and weighting it to remove the droop. The material remembers the orientation it was printed in and will try to return to its original shape when heated:
http://www.shapeways.com/forum/index.php?t=msg&goto=4051 5&&srch=warped#msg_40515

Subject: Re: More on FUD
Posted by fred.oliver on Mon, 30 Jul 2012 18:05:17 GMT
View Forum Message <> Reply to Message

Thank you. I was hoping that would be the case.