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Subject: Material research request - PET  
Posted by [Tommy\\_2Tall](#) on Fri, 02 Jul 2010 11:07:47 GMT  
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Hi!

I just wanted to add this to the materials wishlist..  
Perhaps someone has already requested it?

Would it be possible to use SLS / Objet ( / some form of binder-printing followed by furnace treatment) to do 3D-printing in PET plastic?

It would probably not be glass-clear but it would still be cool to have a diffused/matte look.  
It could also help as a "recycling"-target for PET product;  
just turn it into dust and use it in a 3D printer

It's clearly possible to colour PET plastic so that would be a nice feature too.. translucent colored objects of your own design

It seems to have a pretty high meltingpoint (around 250 degrees Celcius) but maaaybe.. just maaaybe it's possible to get it heated up just enough to squeeze it out of a printer nozzle into a cooling bed of supportmaterial?

[http://en.wikipedia.org/wiki/Polyethylene\\_terephthalate](http://en.wikipedia.org/wiki/Polyethylene_terephthalate)

\*holding thumbs and hoping for the best\*

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