MOLDLAY

is a wax-alike thermoplastic 3D printing filament, dedicated for two main casting methods:

A) lost mold (lost wax casting)
B) permanent mold casting

- super dimension stabil,
- stiff, rigid at room temperature
- near zero warp > printable without heated bed
- print at 170 – 180° C,
- heated bed max. 40°C,
- treat your mold at ~ 270°C / in an old baking oven only,
- the wax flows restless out the mold, similar as hot paraffin,
- see: how to make an ancient chalice from molten tin

http://youtu.be/8QuGN64rJLU

A

LOST MOLD
lost wax casting



generate your mold, while cooking out your printed object

B

PERMANENT MOLD
casting



print your mold in two parts

A) LOST MOLD lost wax casting



1) print your wished model (f.e. chalice) with MOLDLAY (the filament is slightly blue)



2) surround your model with concret or plaster



3) cook out your model in an old baking-oven at 260°- 280°C, moldlay rinses out as liquid sirup



4) your mold is empty now



5) fill in the mold your casting resin, molten metal, etc.



6) after hardening remove your cast

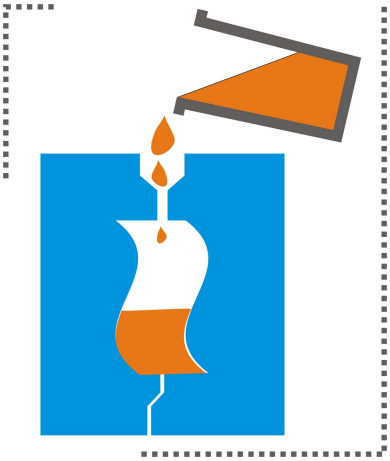


7) finish your cast by polishing, sanding, with acid or paint it.

B) PERMANENT MOLD



1) print your wished mold (as a negative of your model) in two parts



2) fill in the mold your casting resin, silicon etc.



3) after hardening, open your mold and remove the model



