



Waterproof Capsule



LoboCNC

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Summary

For storing a few essential items.

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This is an update of my original EDC capsule, after ditching the “EDC” part for being too pretentious. On the original, the clip was too small, and the flap was too weak. Fixed and fixed.

In this little capsule, you can carry pills, a band-aid, matches, emergency money, or a few precious sheets of toilet paper. It has a rubber seal to keep everything nice and dry should you end up in the drink. And also a handy clip to attach it to your bag or belt loop.

For the seal, instead of an O-ring (who has just the right size of O-ring handy?), it uses a short piece of 1.75mm dia. TPU flexible filament. You just cut the ends off square and make it just a little longer than it needs to be (maybe 0.5mm extra) and then tuck it into the groove in the cap. The extra length will help compress the two cut ends together. And as you screw the cap tight, the rubber is compressed further to form a watertight seal. If you don't need your capsule to be watertight, you can skip the seal altogether.

The cap part includes built-in supports around the thread and for the hook. Just make sure you print with a 0.2mm layer height so that they break away easily. Print the body and the flap pieces with 0.2mm layer height as well.

After printing, break the supports away and then slide the flap piece into the groove in the cap, flexing it inward as you do so that the flap ends up on the inside of the hook. To make sure the flap doesn't slide back out on you, use a tiny drop of superglue at the base of the flap.

This remix is based on



Waterproof EDC Capsule

by LoboCNC

Model files



edc2-assem.stl

☐ Full assembly for viewing only



edc2-cap.stl



edc2-body.stl



edc2-flap.stl

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