



Cleaning filament & needles

Cleaning Filament

General

3D printer nozzles can clog. With this Cleaning-filament you are prepared to tackle that problem and have a clean nozzle in minutes. This Cleaning-filament uses the same high quality raw materials as our other PrintaMent filaments.

Instructions

Cold pull method:

1. **Heat up** your hotend to the working temperature of the Polyamide filament, push it through the hotend as far as possible, ideally, until your previous material is cleaned out, which is going to be hard if your nozzle is completely clogged. Then have the hotend cool down.
2. **After cooling** to around 50-60°C heat the hotend to 110-120°C and just keep on pulling on the filament while the hotend is heating until the filament pops out in one piece. Then cut off the impure end of the filament, fully heat the hotend again and repeat the process until the pulled end of your filament comes out clean and you've restored good flow through the nozzle.
3. **Repeat procedure** as often as necessary. Usually, two or three passes should be enough.

Cleaning Needles

General

The sharp flexible needle makes loosen clogged residue easy and effortless. The all metal quality build was specially chosen to withstand the heat of the nozzle and to be safe from melting plastic.

Instructions

Needle or wire method:

you need an acupuncture or hypodermic needle, so that you can try to remove the blockage. You will need a needle or wire that is small enough to fit into your nozzle bore, typically 0.4 mm.

We don't recommend using a drill bit instead, because they break more easily than solid needles and worst of all, can permanently damage the nozzle if you are not careful.

Preheat the nozzle to your regular printing temperature for the material and start poking with the needle. Be careful not to burn yourself. The goal is to break the blockage so that it slips through the nozzle. The next time you push filament through the blockage will slip through the nozzle together with the filament.

You might have to go through the cycle a few times and push through a bit of filament by hand to check if you have managed to break up the blockage sufficiently.