



Washing Machine Door Stopper

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Summary

Springy C-clip for the door seal of a front-loading washer. The door stays ajar so the drum can dry.

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A small springy clip that keeps the door of a front-loading washing machine slightly open after a wash, so the drum and the rubber seal can dry out. It helps against mould and that musty smell.

Print settings – important

Nozzle and layer. Use a 0.4 mm nozzle and 0.2 mm layers.

Perimeters. Set 6 perimeters with a perimeter extrusion width of 0.45 mm. The wall is designed for exactly this, so it fills completely with perimeters. Infill and top/bottom layers don't matter.

Supports and brim. Neither is needed.

Seam position: Rear, with the jaws pointing to the back of the bed. This puts the start/end points (seams) of all perimeter loops at the jaw tips, where the part doesn't bend.

With the default "Nearest" seam, PrusaSlicer stacked all six seams at the root of one jaw in every layer. The perimeters split apart there when the clip was flexed.

With the seams at the tips, the problem went away.

Bonding. For better bonding between perimeters, print about 10 °C hotter than usual (220 °C for PLA+) with the part cooling fan reduced to 30–40 %. The part has no overhangs, so less cooling does no harm.

Model files



washing_machine_door_stopper.scad



washing_machine_door_stopper_10mm.stl

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