

Fuel Cap Opener – thin, 2 inch

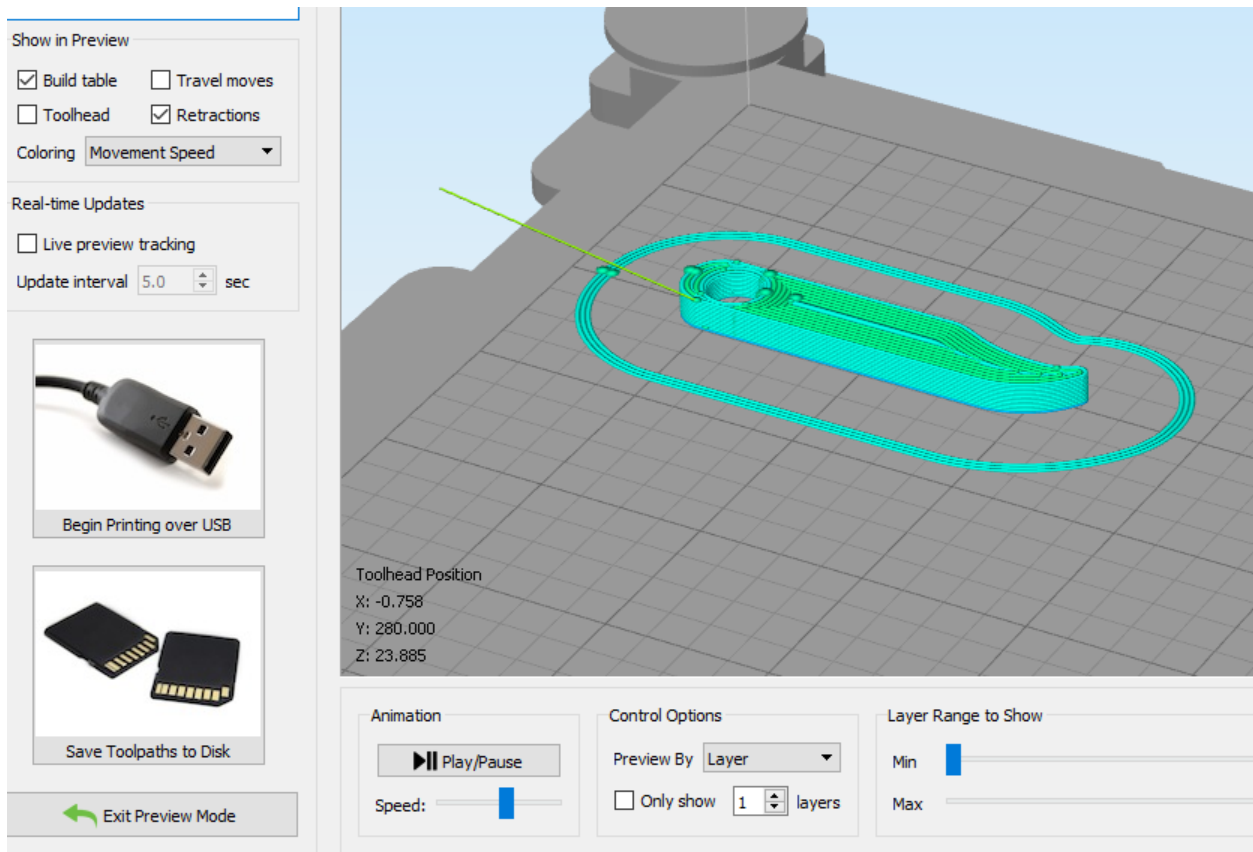
Material: ABS

Print time = .1 hrs

Plastic cost = \$.05

Simplify3D slicer

1 Print Processes Total



Process 1

FFF Settings

Process Name:

Select Profile:

Auto-Configure for Material:

Auto-Configure for Print Quality:

General Settings

Infill Percentage: 100% Include Raft Generate Support

Extruder | Layer | Additions | Infill | Support | Temperature | Cooling | G-Code | Scripts | Speeds | Other | Advanced

Extruder List (click item to edit settings)

- Primary Extruder

Primary Extruder Toolhead

Overview

Extruder Toolhead Index:

Nozzle Diameter: mm

Extrusion Multiplier:

Extrusion Width: Auto Manual mm

Ooze Control

Retraction

Retraction Distance	<input type="text" value="1.30"/> mm
Extra Restart Distance	<input type="text" value="0.00"/> mm
Retraction Vertical Lift	<input type="text" value="0.00"/> mm
Retraction Speed	<input type="text" value="20.0"/> mm/s

Coast at End

Coasting Distance	<input type="text" value="0.20"/> mm
-------------------	--------------------------------------

Wipe Nozzle

Wipe Distance	<input type="text" value="5.00"/> mm
---------------	--------------------------------------

FFF Settings

? X

Process Name:

Select Profile:

Auto-Configure for Material

Auto-Configure for Print Quality

General Settings

Infill Percentage: 100% Include Raft Generate Support

- Extruder
- Layer
- Additions
- Infill
- Support
- Temperature
- Cooling
- G-Code
- Scripts
- Speeds
- Other
- Advanced

Layer Settings

Primary Extruder:

Primary Layer Height: mm

Top Solid Layers:

Bottom Solid Layers:

Outline/Perimeter Shells:

Outline Direction: Inside-Out Outside-In

Print islands sequentially without optimization

Single outline corkscrew printing mode (vase mode)

First Layer Settings

First Layer Height: %

First Layer Width: %

First Layer Speed: %

Start Points

Use random start points for all perimeters

Optimize start points for fastest printing speed

Choose start point closest to specific location

X: Y: mm

FFF Settings
?
×

Process Name:

Select Profile: Update Profile Save as New Remove

Auto-Configure for Material

+ -

Auto-Configure for Print Quality

+ -

General Settings

Infill Percentage: 100% Include Raft Generate Support

Extruder
Layer
Additions
Infill
Support
Temperature
Cooling
G-Code
Scripts
Speeds
Other
Advanced

Use Skirt/Brim

Skirt Extruder:

Skirt Layers:

Skirt Offset from Part: mm

Skirt Outlines:

Use Prime Pillar

Prime Pillar Extruder:

Pillar Width: mm

Pillar Location:

Speed Multiplier: %

Use Raft

Raft Extruder:

Raft Top Layers:

Raft Base Layers:

Raft Offset from Part: mm

Separation Distance: mm

Raft Top Infill: %

Above Raft Speed: %

Use Ooze Shield

Ooze Shield Extruder:

Offset from Part: mm

Ooze Shield Outlines:

Sidewall Shape:

Sidewall Angle Change: deg

Speed Multiplier: %

Hide Advanced
Select Models
OK
Cancel

FFF Settings

? X

Process Name:

Select Profile:

Auto-Configure for Material

Auto-Configure for Print Quality

General Settings

Infill Percentage: 100% Include Raft Generate Support

- Extruder
- Layer
- Additions
- Infill
- Support
- Temperature
- Cooling
- G-Code
- Scripts
- Speeds
- Other
- Advanced

General

Infill Extruder

Internal Fill Pattern

External Fill Pattern

Interior Fill Percentage %

Outline Overlap %

Infill Extrusion Width %

Minimum Infill Length mm

Combine Infill Every layers

Include solid diaphragm every layers

Internal Infill Angle Offsets

deg

Print every infill angle on each layer

External Infill Angle Offsets

deg

FFF Settings
? X

Process Name:

Select Profile: Update Profile Save as New Remove

Auto-Configure for Material

+ -

Auto-Configure for Print Quality

+ -

General Settings

Infill Percentage: 100% Include Raft Generate Support

Extruder

Layer

Additions

Infill

Support

Temperature

Cooling

G-Code

Scripts

Speeds

Other

Advanced

Support Material Generation

Generate Support Material

Support Extruder

Support Infill Percentage %

Extra Inflation Distance mm

Support Base Layers

Combine Support Every layers

Automatic Placement

Only used if manual support is not defined

Support Type

Support Pillar Resolution mm

Max Overhang Angle deg

Dense Support

Dense Support Extruder

Dense Support Layers

Dense Infill Percentage %

Separation From Part

Horizontal Offset From Part mm

Upper Vertical Separation Layers

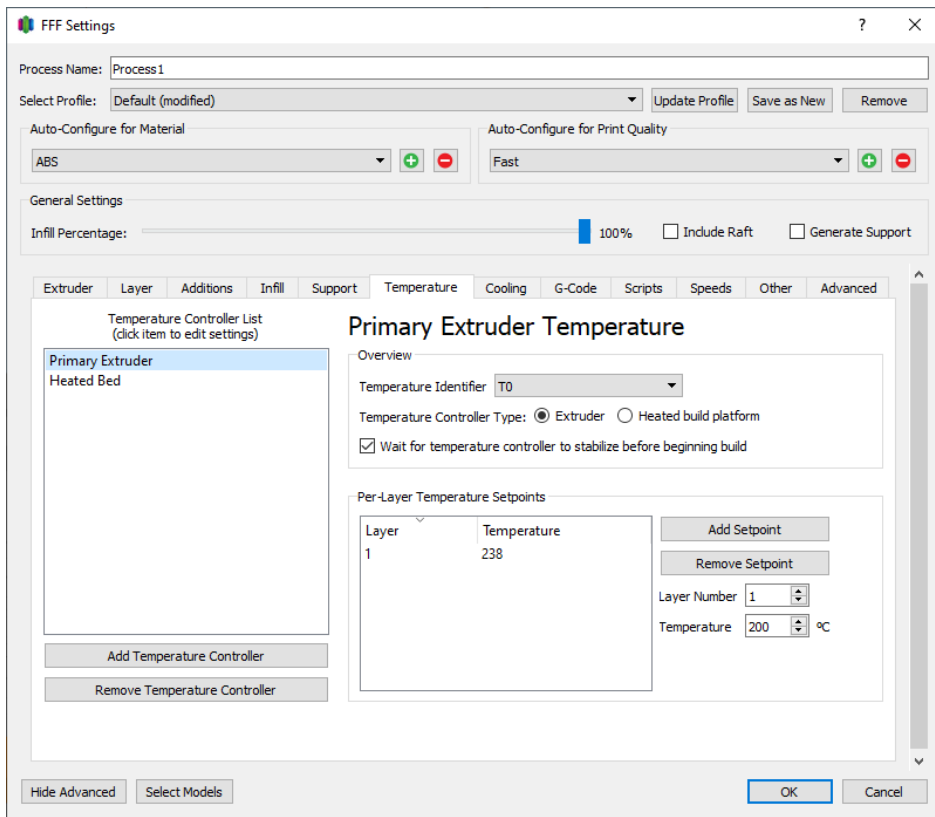
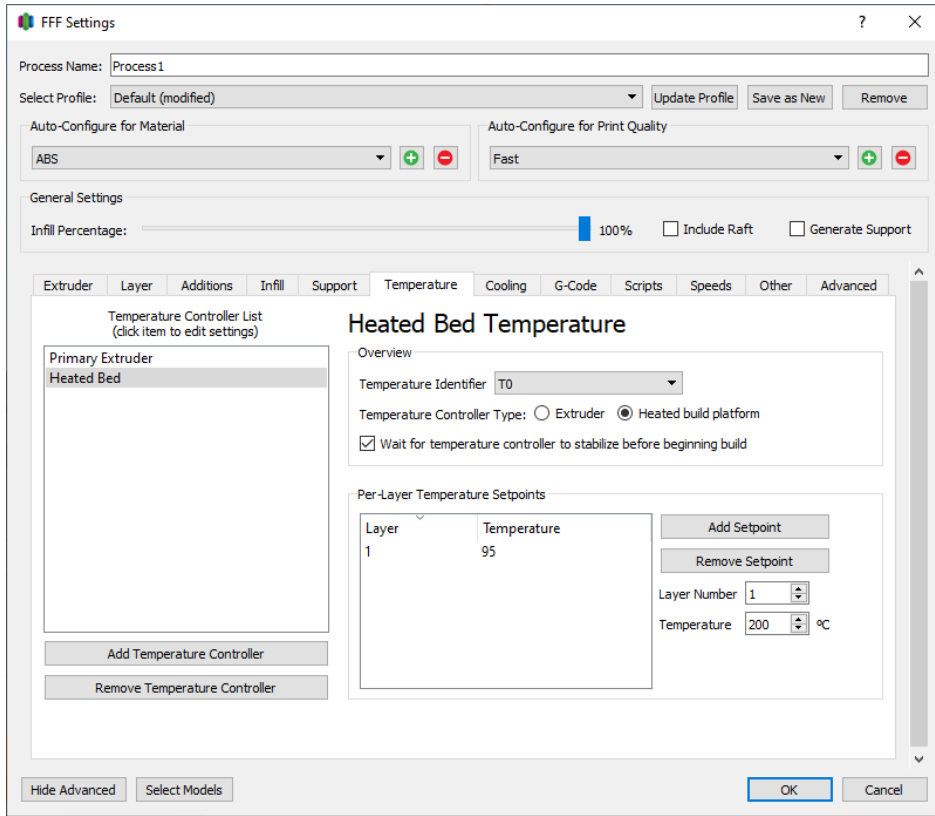
Lower Vertical Separation Layers

Support Infill Angles

deg

Add Angle Remove Angle

Hide Advanced
Select Models
OK
Cancel



FFF Settings

Process Name:

Select Profile:

Auto-Configure for Material:

Auto-Configure for Print Quality:

General Settings

Infill Percentage: 100% Include Raft Generate Support

Extruder | Layer | Additions | Infill | Support | Temperature | **Cooling** | G-Code | Scripts | Speeds | Other | Advanced

Per-Layer Fan Controls

Layer	Fan Speed
1	0

Layer Number:

Fan Speed: %

Fan Options

Blip fan to full power when increasing from idle

Fan Overrides

Increase fan speed for layers below sec

Maximum cooling fan speed %

Bridging fan speed override %

FFF Settings

? X

Process Name:

Select Profile:

Auto-Configure for Material

Auto-Configure for Print Quality

General Settings

Infill Percentage: 100% Include Raft Generate Support

- Extruder
- Layer
- Additions
- Infill
- Support
- Temperature
- Cooling
- G-Code
- Scripts
- Speeds
- Other
- Advanced

Speeds

Default Printing Speed mm/s
Outline Underspeed %
Solid Infill Underspeed %
Support Structure Underspeed %
X/Y Axis Movement Speed mm/s
Z Axis Movement Speed mm/s

Speed Overrides

Adjust printing speed for layers below sec
Allow speed reductions down to %

FFF Settings
?
×

Process Name:

Select Profile: Default (modified) ▼ Update Profile Save as New Remove

Auto-Configure for Material

ABS ▼ + -

Auto-Configure for Print Quality

Fast ▼ + -

General Settings

Infill Percentage: 100% Include Raft Generate Support

Extruder

Layer

Additions

Infill

Support

Temperature

Cooling

G-Code

Scripts

Speeds

Other

Advanced

Bridging

Unsupported area threshold sq mm

Extra inflation distance mm

Bridging extrusion multiplier %

Bridging speed multiplier %

Use fixed bridging infill angle deg

Apply bridging settings to perimeters

Filament Properties

Filament Toolhead Index Tool 0 ▼

Filament diameter mm

Filament price price/kg

Filament density grams/cm³

Dimensional Adjustments

Horizontal size compensation mm

Tool Change Retraction

Tool change retraction distance mm

Tool change extra restart distance mm

Tool change retraction speed mm/s

Hide Advanced
Select Models
OK
Cancel

FFF Settings
?
×

Process Name:

Select Profile: Default (modified) ▼ Update Profile Save as New Remove

Auto-Configure for Material

ABS ▼ + -

Auto-Configure for Print Quality

Fast ▼ + -

General Settings

Infill Percentage: 100% Include Raft Generate Support

Extruder Layer Additions Infill Support Temperature Cooling G-Code Scripts Speeds Other Advanced

Layer Modifications

Start printing at height mm

Stop printing at height mm

Thin Wall Behavior

External Thin Wall Type: Perimeters only ▼

Internal Thin Wall Type: Allow single extrusion fill ▼

Allowed perimeter overlap: %

Single Extrusions

Minimum Extrusion Length: mm

Minimum Printing Width: %

Maximum Printing Width: %

Endpoint Extension Distance: mm

Ooze Control Behavior

Only retract when crossing open spaces

Force retraction between layers

Minimum travel for retraction: mm

Perform retraction during wipe movement

Only wipe extruder for outer-most perimeters

Movement Behavior

Avoid crossing outline for travel movements

Maximum allowed detour factor:

Slicing Behavior

Non-manifold segments: Discard Heal

Merge all outlines into a single solid model

Hide Advanced
Select Models
OK
Cancel