3D Printing Projects

- 3D Models - Christmas
- 3D Models: Household
- BambuLab Honeycomb Replacement Spools
- Gridfinity
- High Performance Spool Desiccant Container Holder
- P2S Toolbox XL with
- Rummikub - Rummy
- Gridfinity Alex BasePlates Layout
- 3D Model Template
- Ultimate Angles - Winkel - Angles Collections

3D Models - Christmas

3D Models we liked so far

3D Models: Household

3D Models for the house. Small helpers, hooks, cups, containers, etc.

Spoon for Fast & Precise Spooning

https://makerworld.com/en/models/16458-spoon-for-fast-precise-spooning?from=search#profileId-15285

Optimized Bed Scraper

https://makerworld.com/en/models/231936-optimized-bed-scraper#profileId-248951

Bed Sraper XL with replaceable blade

https://makerworld.com/en/models/413220-bed-scraper-xl#profileId-374905

Auto-locking Hanger - Gravity Towel Hook - Ribbed

https://makerworld.com/en/models/1971172-auto-locking-hanger-gravity-towel-hook-ribbed#profileId-2119317

Nice and easy print. Just use the profile provided. Works great in PLA

BambuLab Honeycomb Replacement Spools

Gridfinity

This is how i want more or less layout my Alex cabinet.

These are pictures of other peoples alex drawers. Saved them here for inspiration


logitech

From https://www.printables.com/model/968831-ikea-alex-gridfinity-cable-bins-more-variants

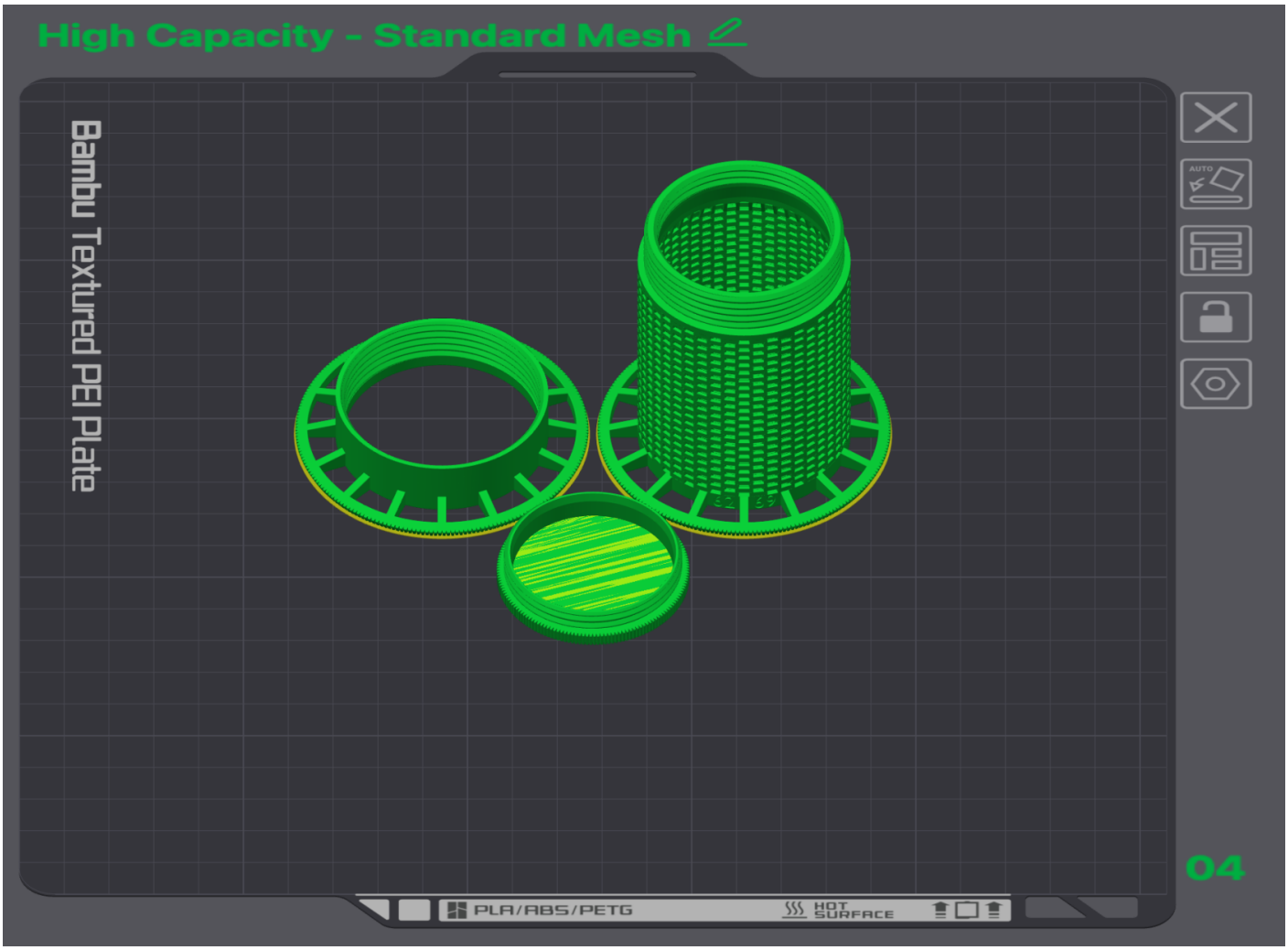
From https://www.printables.com/model/851730-ikea-alex-gridfinity-cable-bins/

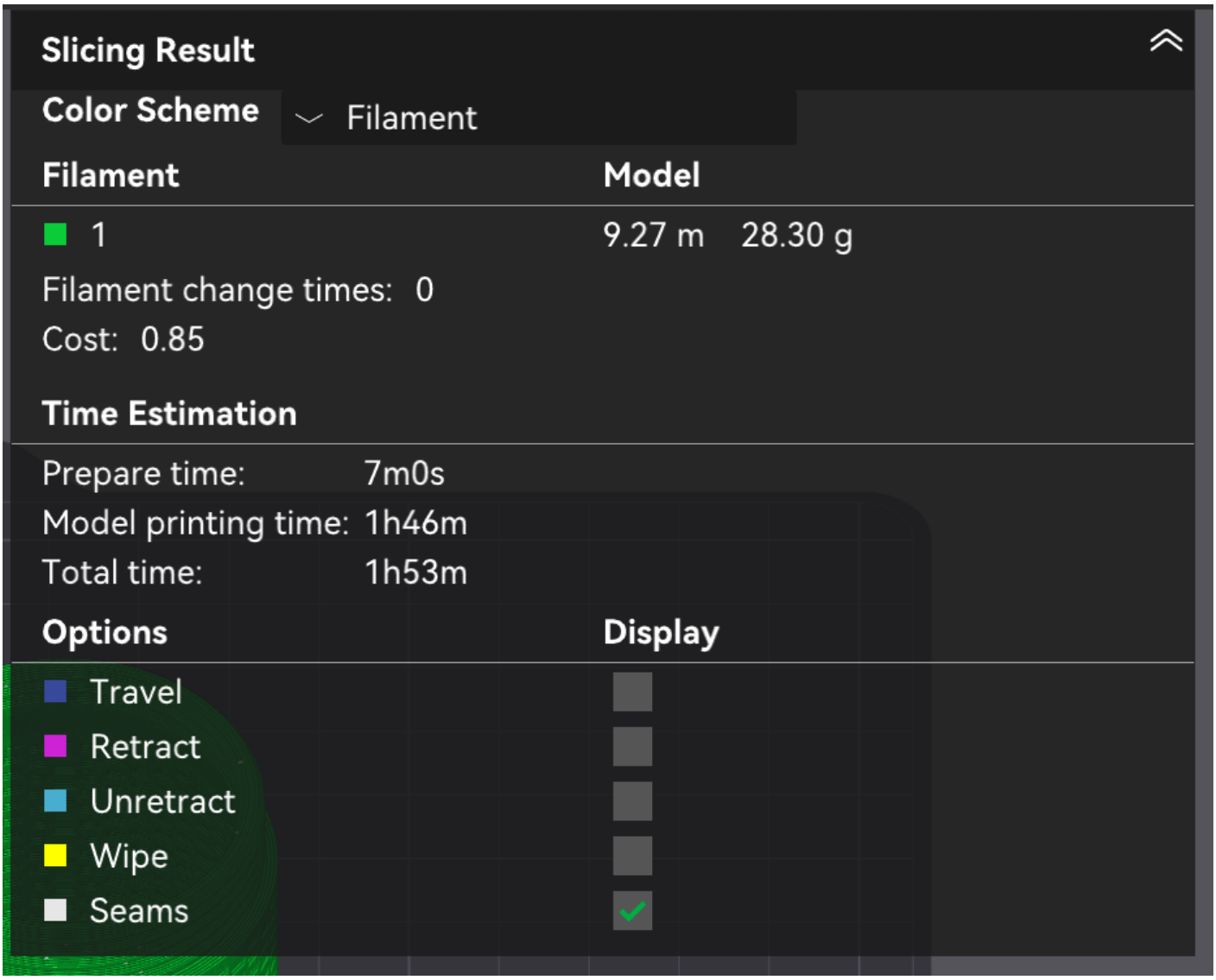
High Performance Spool Desiccant Container Holder

Das ist wirklich schön geworden. Und ich kann diesen Behälter sehr empfehlen

Gedruckt in PETG-Grün mit dem GENERIC PETG-Profil bei 250 Grad mit 70 Grad Betttemperaturen. Dauert einen längeren Timer, aber es lohnt sich. Robust, zuverlässig und sehr einfach zu drucken. Keine Unterstützung erforderlich. Die Threads sind hervorragend! Ich habe nicht erwartet, dass sie so glatt sind. Der kleine Deckel im Inneren sehr schön, super schöne Toleranzen, sehr gut gedruckt, hat gerimmte Linien, griffig. Und der Außenring kann auch sehr schön und einfach angelegt werden, reibungsarmer Fadenpass. Perfekt! NUR EINE SACHE! Wenn ich das Druckprofil von der Maker-World-Website verwende, würde ich die BOTTOM SHELL LAYERS auf VIER (4) einstellen. Um ein etwas stabileres Netz zu erhalten.

https://makerworld.com/en/models/1193993-high-performance-spool-desiccant-container-holder#profileId-1214551


High Capacity - Standard Mesh
Bambu Textured PEI Plate
AUTO
PLA/ABS/PETG
HOT SURFACE
04


Slicing Result
Color Scheme
Filament
Filament
Model
1
9.27 m
28.30 g
Filament change times: 0
Cost: 0.85
Time Estimation
Prepare time: 7m0s
Model printing time: 1h46m
Total time: 1h53m
Options
Display
Travel
Retract
Unretract
Wipe
Seams

P2S Toolbox XL with

This toolbox from Lars Melzer is realy nice. I had to modify it a little bit so I could print it with a 0.6mm nozzle. While doing that, increasing objects heights etc, I also made the bambulab logo a bit smaller and aligned it with the P2S Toolbox text.

Original:

> There are many boxes for printer accessories - but this one is mine ?
>
> The H2D / H2S / P2S XL tool and accessory box combines modern design with maximum functionality. It offers a clever solution for neat and stylish storage of the included tools, small parts, and accessories.
>
> There is space for the accessories in their original blister packaging, which comes with the H2D / H2S / P2S. Additionally, I have a layer for six hotends, three silicone socks, and an extra small compartment.

https://makerworld.com/en/models/1403748-h2-p2-xl-tool-and-accessory-box-snaplock-box?from=search#profileId-1456243

My version is available here as an attachment.

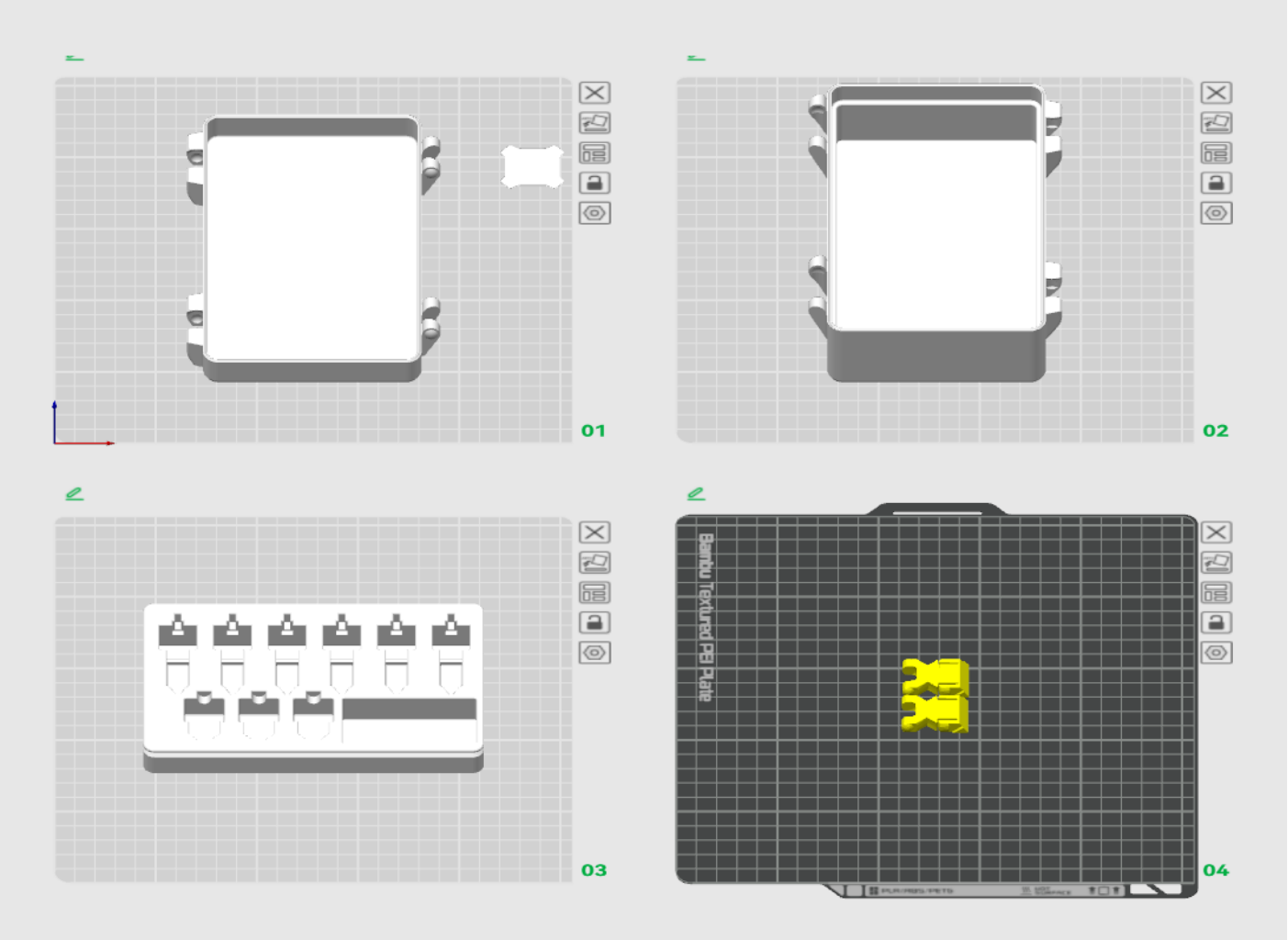
P2S+Toolbox+XL+multiple+print+plates+for+0_6mm+nozzle.zip

Filament	Model	Flushed	Tower	Total
1	95.00 m 283.36 g	0.09 m 0.26 g	0.04 m 0.11 g	95.13 m 283.72 g
2	0.31 m 0.92 g	0.05 m 0.14 g	0.03 m 0.09 g	0.38 m 1.14 g
3	4.52 m 13.47 g	0.19 m 0.56 g	0.05 m 0.15 g	4.75 m 14.18 g
Total	99.83 m 297.74 g	0.32 m 0.96 g	0.11 m 0.34 g	100.27 m 299.05 g

Total cost: 8.97

Time Estimation

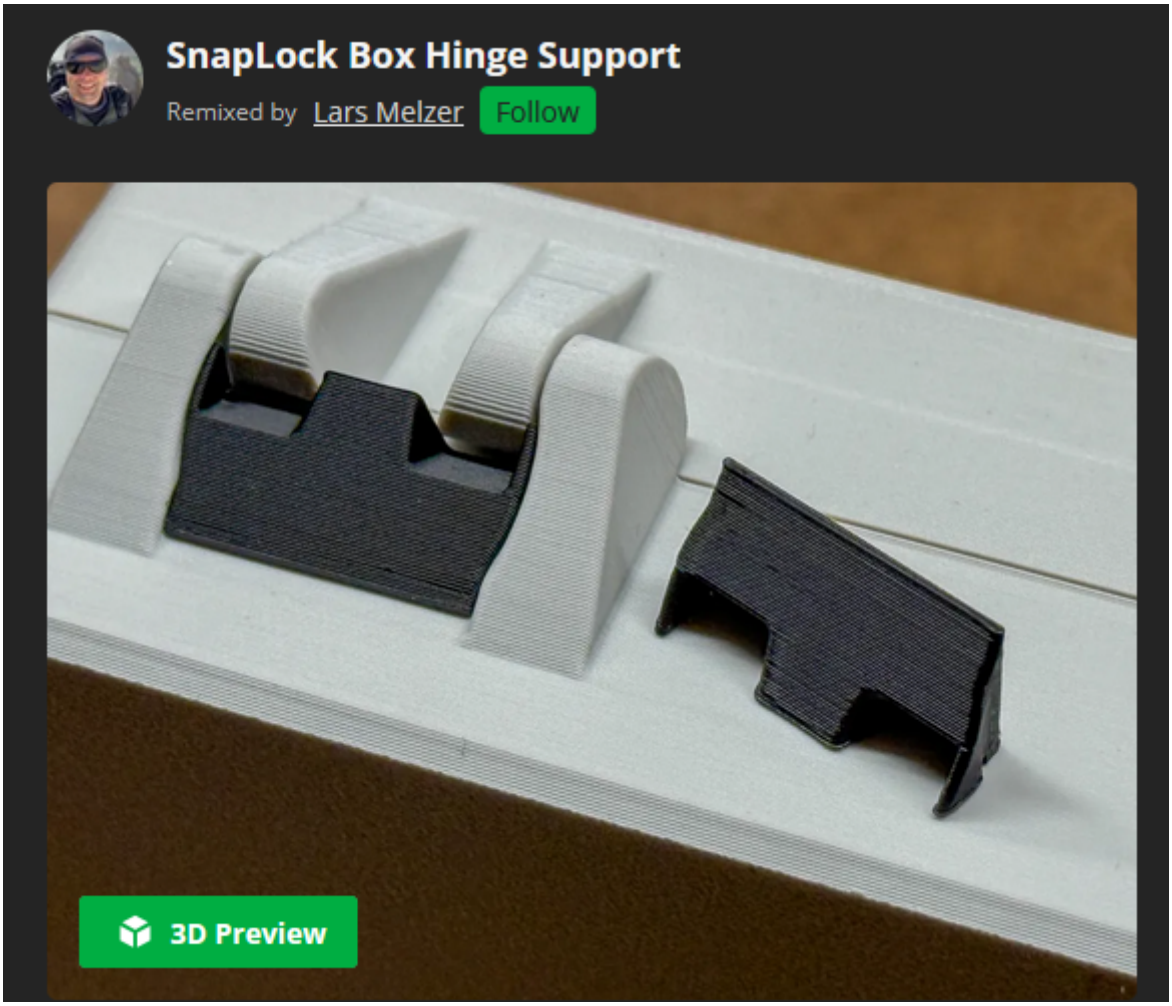
Plate 1	1h48m
Plate 2	2h50m
Plate 3	2h42m
Plate 4	17m51s
Total	7h38m



Improvement

Maybe I should print a pair of these???

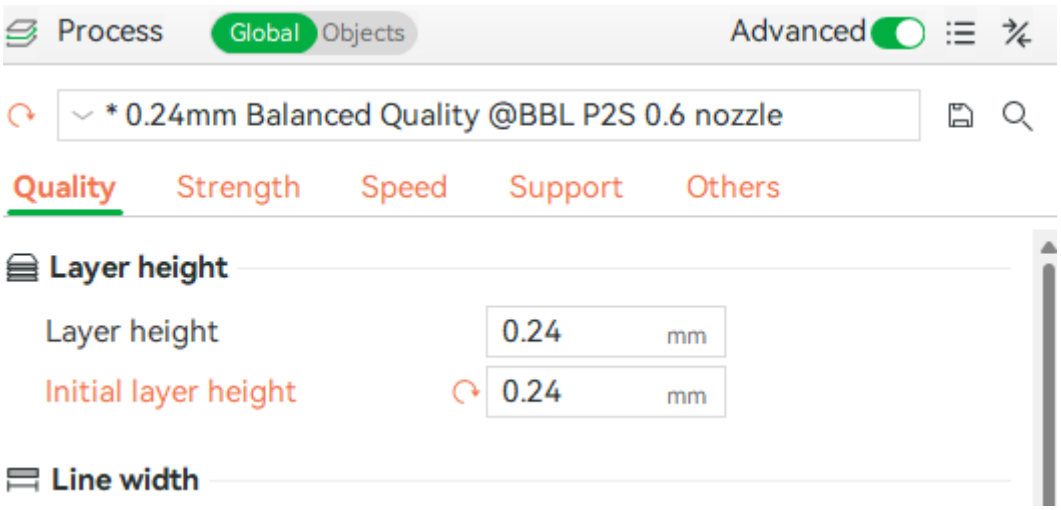
https://makerworld.com/en/models/1985690-snaplock-box-hinge-support#profileId-2136577



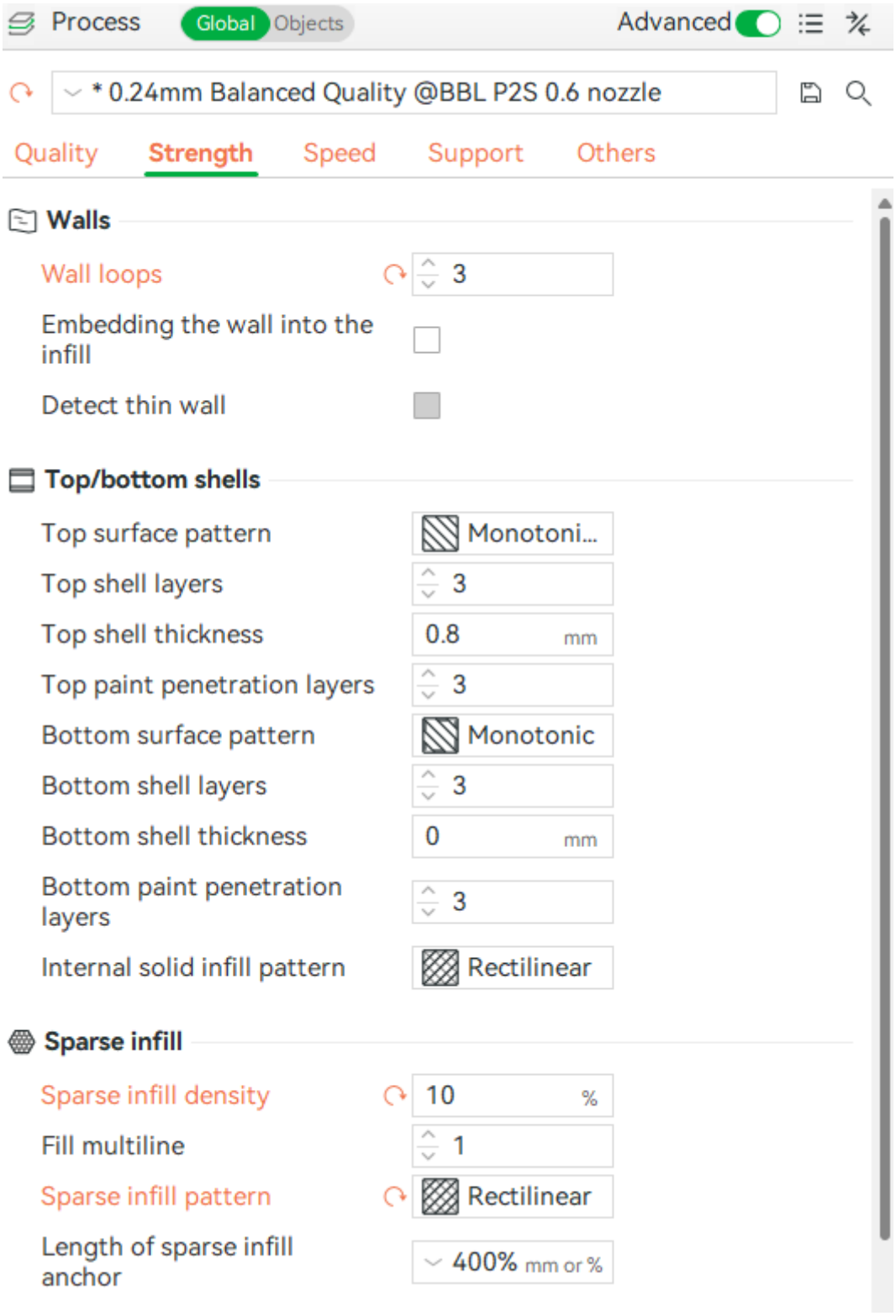
Changes to the print profile

Things not visible have not been changed

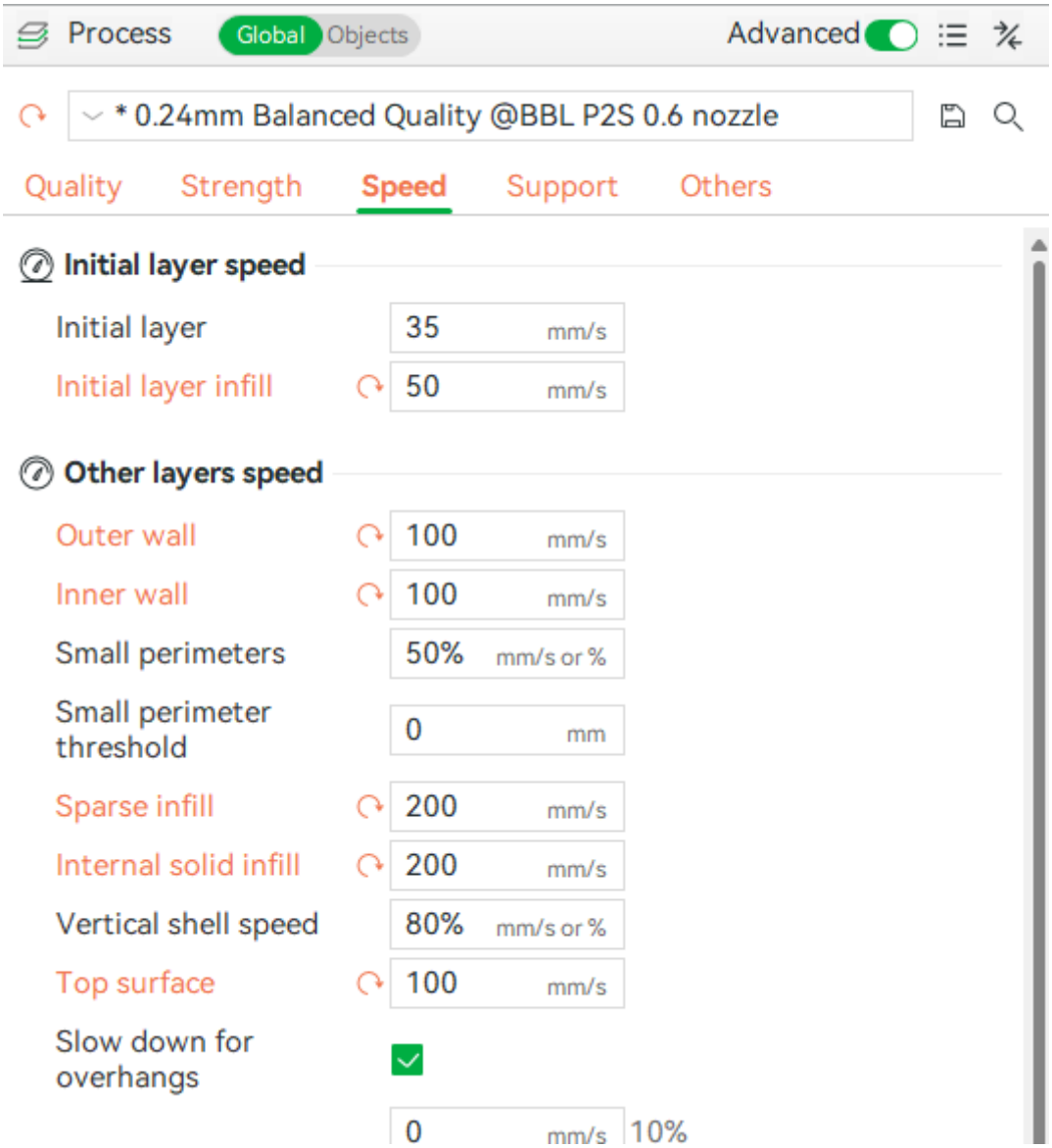
Quality



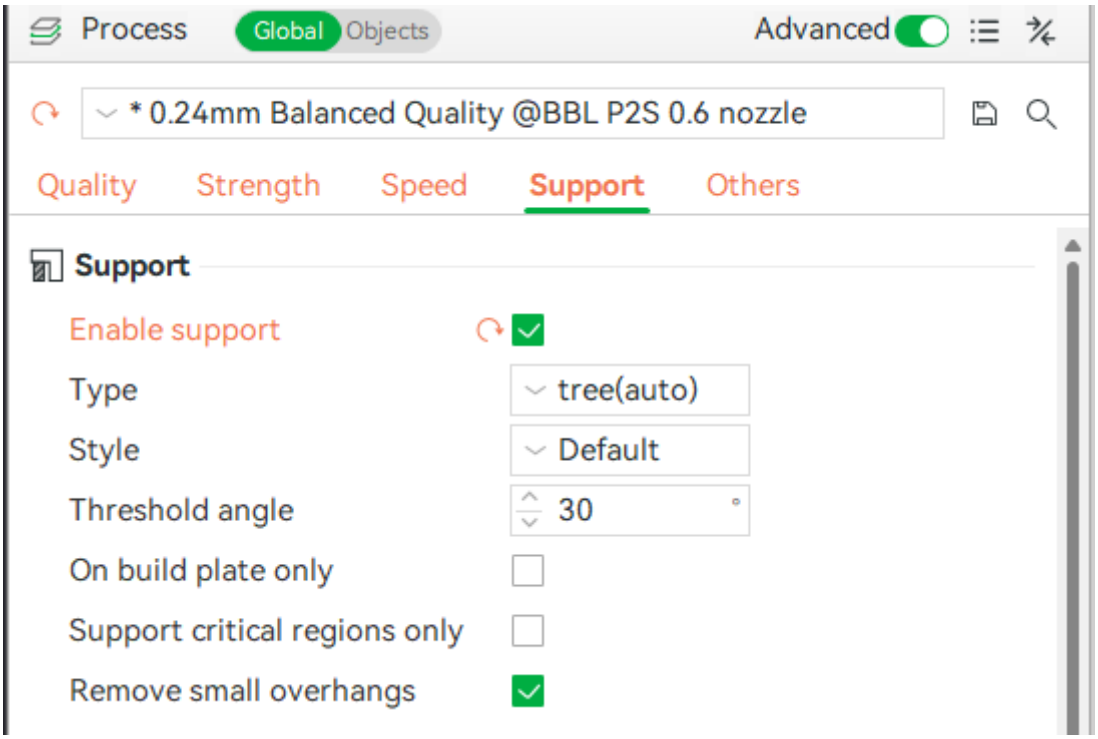
Strength



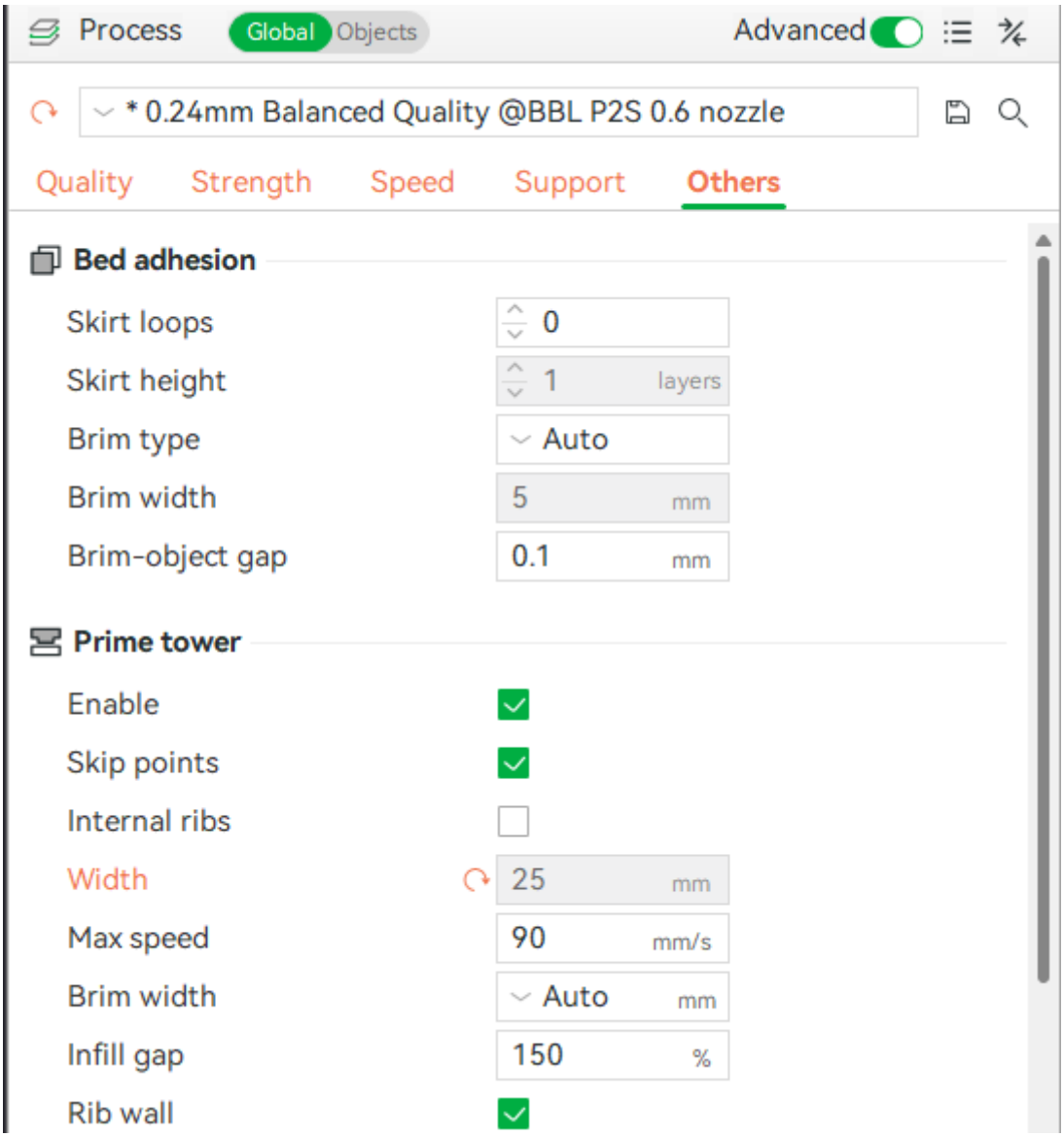
Speed


Process
Global
Objects
Advanced
* 0.24mm Balanced Quality @BBL P2S 0.6 nozzle
Quality
Strength
Speed
Support
Others
Initial layer speed
Initial layer
35
mm/s
Initial layer infill
50
mm/s
Other layers speed
Outer wall
100
mm/s
Inner wall
100
mm/s
Small perimeters
50%
mm/s or %
Small perimeter threshold
0
mm
Sparse infill
200
mm/s
Internal solid infill
200
mm/s
Vertical shell speed
80%
mm/s or %
Top surface
100
mm/s
Slow down for overhangs
0
mm/s
10%

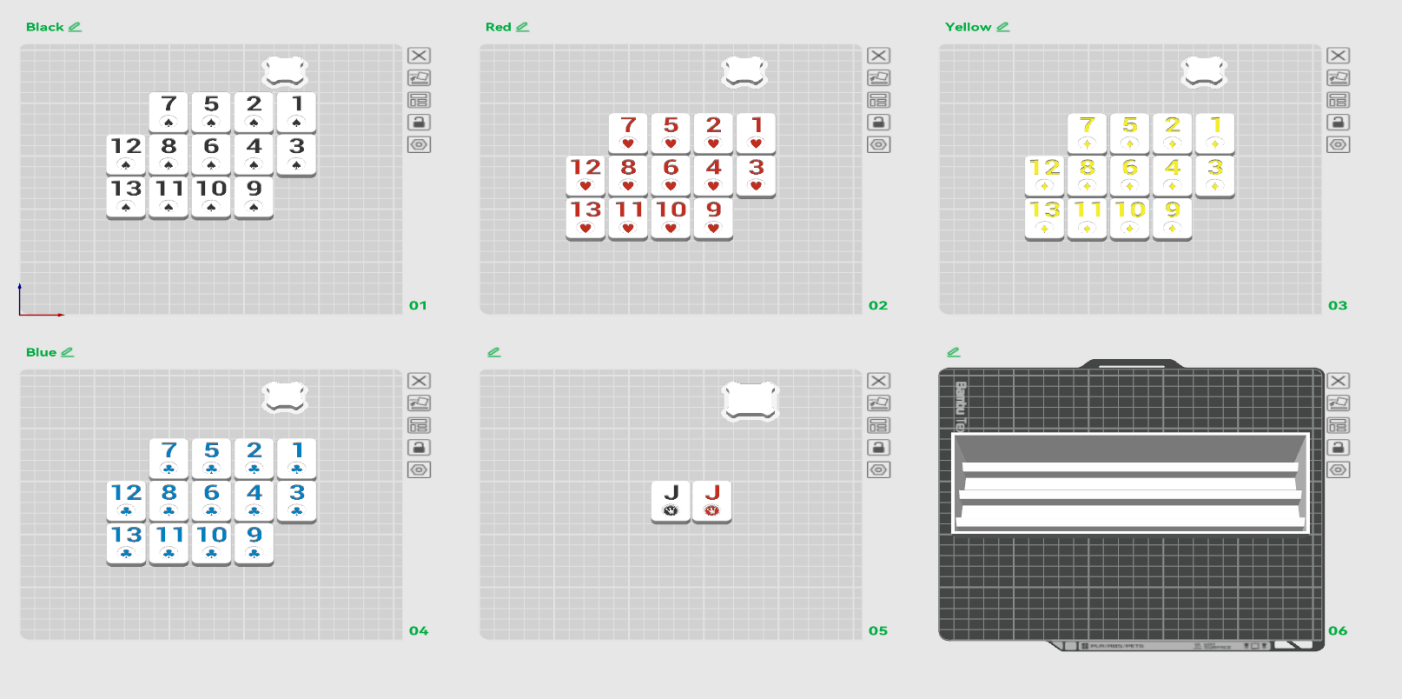
Support


Process
Global
Objects
Advanced
* 0.24mm Balanced Quality @BBL P2S 0.6 nozzle
Quality
Strength
Speed
Support
Others
Support
Enable support
Type
tree(auto)
Style
Default
Threshold angle
30
On build plate only
Support critical regions only
Remove small overhangs

Others


Process
Global
Objects
Advanced
* 0.24mm Balanced Quality @BBL P2S 0.6 nozzle
Quality
Strength
Speed
Support
Others
Bed adhesion
Skirt loops
0
Skirt height
1
layers
Brim type
Auto
Brim width
5
mm
Brim-object gap
0.1
mm
Prime tower
Enable
Skip points
Internal ribs
Width
25
mm
Max speed
90
mm/s
Brim width
Auto
mm
Infill gap
150
%
Rib wall

Rummikub - Rummy



Printing tiles and shelves for a Rummikub Game or Rummy game.

Printing the tiles from this Author here: https://makerworld.com/en/models/1673993-rummy-o-tiles?from=search#profileId-1772693

I will probably add this case here as well Customizable Sliding Lid Box (Parametric Box) or I am opting in for one of those customizable click-lock cases I printed for Uno and my p2S Toolbox and such.

This is a nice rack if you look for one too

https://makerworld.com/en/models/100060-rack-rummy-o

Filaments Used

- WHITE: PolyMaker PolyTerra Cotton White
- BlacK: PolyMaker PolyTerra PLA Charcoal Black
- Red: PolyMaker PolyTerra PLA Lava Red

- Yellow: 3DJake ecoPLA Yellow

Gridfinity Alex BasePlates Layout

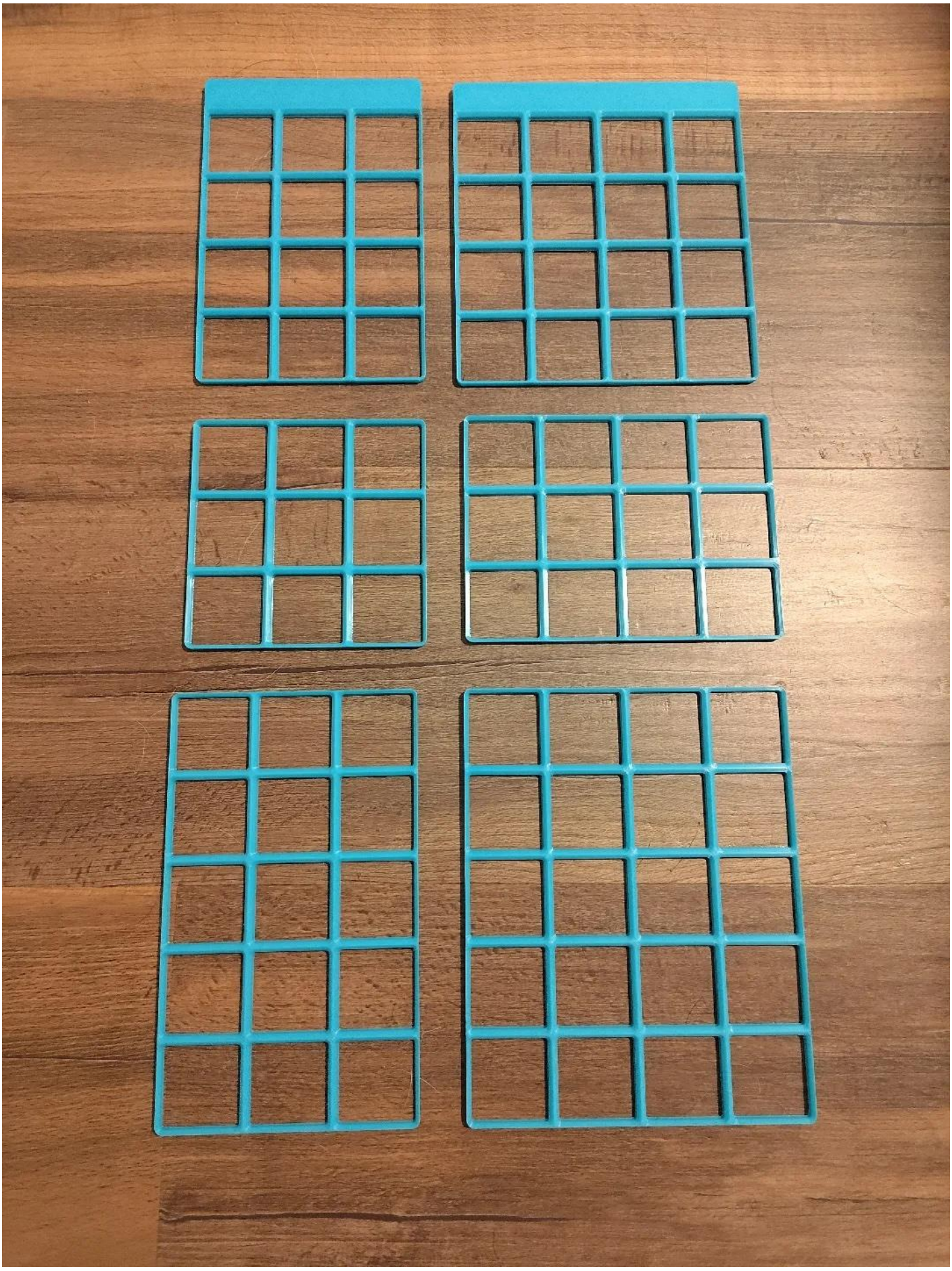
The layout of the Alex drawers are 12x7 tiles.

Printlist can be:

- 3x = 4x4
- 3x = 3x4

or

- a 1x = 4x5
- b 1x = 3x5
- c 2x = 3x4
- d 1x = 3x3
- e 1x = 4x4



3D Model Template

Title:

Link:

Image:

Ultimate Angles - Winkel - Angles Collections

Ultimate brackets collection

format,webp

https://makerworld.com/en/models/161705-ultimate-brackets-collection#profileId-182405