Printables by JOSEF PRUSA



Sith Mask (Practical Remix)

Amoda

VIEW IN BROWSER

updated 17. 10. 2023 | published 17. 10. 2023

Summary

This is a remix of a Sith Acolyte Mask. This remix was done to make the mask more practical to print and to wear.

74.39 hrs	2 pcs	0.10 mm	0.40 mm	PLA	366 g	Prusa MK3/S/S+

Costumes & Accessories > Masks

Tags: mask starwars sith stwor

About This Remix:

This is a remix of the Sith Acolyte Mask (Star Wars) by Killonious.

Killonious did a wonderful job designing the mask as a prop display mask. They also have an etsy shop.

I made this remix because the mask was impractical to print as a single item and the splits that were offered by the original creator were simple cuts with no practical way of reassembly. They also cut along main aspects of the model that would result in much needed cleanup on reassembly. The original was also designed more as a prop than a mask to wear. Since

it had no breathing holes, I added some that were in the spirit of the design.

So I did the following:

- Split the mesh by hand in blender to so that the main cuts falls along an existing edge in the mask. This also allows the top to be printed independently from the bottom in case you want to wear it for something else.
- Added a band along the inside of the mask as part of the lower mask so that there is an overlap for fitting and gluing the parts together.
- Added breathing cuts to the nose and front of the mask.
- Added cuts for straps so that the mask could be worn.

To Ensure Fit:

The mask is quite large, you can print it smaller, but I would not recommend going below 90%. One of the folks I printed this for has a large head and the 100% was able to fit them. For myself I went with 95%. **That said,** none of the scaling during the printing was necessary. When printing with PLA we were able to let the mask sit in hot water for 30 seconds and then it was pliable enough to push and pull the edges for a better fit. I recommend this method, with one caveat. You will want to ensure that your lower and upper mask still fit one another. This can be done by gluing them prior to shaping or by shaping the top first, then shaping the lower to match the upper. Keep in mind you do not need to heat the whole mask. Typically just the sides. To do this I held the mask ‘nose’ over the water so that just the sides became pliable. You don't want to risk ruining the overall symmetry of the face when you do this, so be careful and start slowly.

I also should note that the mask needs padding to be worn well. I cut up a pool noodle and padded it with that and some scrap fabric so I could wear it all night. :)

A Note About My Files:

The stls are exported from the plates I printed and have the orientation I used to print. I have also included my 3mf files.

Also of note, for the lower mask, there is a version with some manual supports. These help it be more stable as it is a longer print, these supports snap off easily.

If you are looking for a complete mask, not my split version. You can download it from the original posting on thingverse.

Update: 10/17/2023 - I replaced the print files with new ones that use organic support. I also included updated 3mf files. I don't know if anyone would use the g-codes since (for myself) I tend to want to do my own slicer settings for prints, but in any case I have updated them and included the 3mf files for anyone who wants to see how I did my supports.

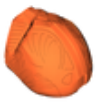
This remix is based on



Sith Acolyte Mask (Star Wars)
by Killonious

Model files

Stl Files 3 files



sithmask_upper.stl



sithmask_lower.stl



sithmask_lower_minorsupports.stl

3mf Files 2 files



sithmask_upper.3mf

☐ The supports are likely overzealous, but they help prevent warping to ensure the model finishes



sithmask_lower.3mf

Print files



sithmask_lower_01mm_pla_mk3s_21h37m.gcode

PLA 0.40 mm 0.10 mm 21.61 hrs 109 g Prusa MK3/S/S+



sithmask_upper_01mm_pla_mk3s_2d4h47m.gcode

PLA 0.40 mm 0.10 mm 52.78 hrs 258 g Prusa MK3/S/S+

License

This work is licensed under a
Creative Commons (4.0 International License)

Attribution-NonCommercial

✖ | Sharing without ATTRIBUTION
✔ | Remix Culture allowed
✖ | Commercial Use
✖ | Free Cultural Works
✖ | Meets Open Definition