

Modular face mask



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Summary

Fitting mask allowing to easily attach different types of filters.



9.79 hrs



3 pcs



0.12 mm
0.18 mm
0.20 mm



0.40 mm



PLA



55 g



Other

[Healthcare](#) > [Home Medical Tools](#)

Tags: [mask](#) [filter](#) [face](#) [virus](#) [hepa](#) [corona](#) [coronavirus](#)
[rouska](#) [respirator](#)

Fitting mask allowing to easily attach different types of filters.

----- SAFETY -----

- Always be sure your mask fits tightly. Put the mask on your face without the filter module first, put your hand on the front hole or make sure the air is not going through it some other way and try to inhale to see if it fits.
- glue the parts together with silikon, Patex repair 100% or some other filling and flexible glue.

- Always chemically sterilize the mask after use. Isopropylalcohol is a good choice.
- Don't talk while you wear the mask to keep it tight.

--- OTHER MODULES ---

I'm working on modules for more HEPA filters with the manufacturer and reseller. Will put them here as soon as possible. Keep watching this models page.

--- DETAILS ---

I created two modules. The first one is basic module to be used with vacuum cleaner dust bag cut-out for basic protection (depending on the bag specification). Just cut part of the vacuum cleaner dust bag to get the filter, assembly the mask and you are ready to go. For the best results use glue to fill all possible leaks in the connection.

The second module is a module to be used with the VP6000 HEPA filter. (<https://www.nipponcec.cz/hepa-filtr-concept-vp6000-pro-concept-vp-6000-perfect-clean~wcon42392087-26878.html>) for better protection.

It's not a medical device, but better then other home made masks.

It's a remix of this mask: <https://www.thingiverse.com/thing:4167649>

Print instructions

PLA

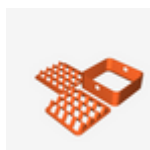
Print the basic insets slowly, without supports.

I use supports with the mask, but they may not be necessary.

Model files



r2_hepa-vp6000set.3mf



r2_basicfilterset.3mf



r2_mask.3mf



r2_basic-box.stl



r2_hepa-vp6000-connector.stl



r2_basic-top-inset.stl



r2_basic-bottom-inset.stl



r2_mask.stl



r2.f3d

Print files



r2_basicfilterset_t3l4h120.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.12 mm ⌚ 2.91 hrs ⚖️ 11 g



r2_mask_t3l6h180.gcode

🌀 PLA 🌀 0.40 mm ≡ 0.18 mm ⌚ 3.00 hrs ⚖️ 17 g



r2_hepa-vp6000set_t4l9h200.gcode

🌐 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 3.88 hrs ⚖️ 27 g

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