

Halyard H600 hospital grade fabric masks. – 2 models

<https://anest.ufl.edu/clinical-divisions/mask-alternative/>

Prototype 1

https://www.youtube.com/watch?v=uybCCZn_Srs



Prototype 2



SUPPLIES NEEDED

- Medical grade fabric (Halyard H600) supplied by the hospital
- One piece of 16-gauge wire (not aluminum as it is too soft)
- 100% acrylic yarn, size medium #4 (used for ties)
- Cutting mat, ruler, rotary cutter if available
- Sewing machine, thread, scissors, sewing clips/paperclips, seam ripper (NOTE: Please use pins sparingly to avoid holes.)
- Jewelry pliers or needle nose pliers and wire cutters

Prototype 1:

INSTRUCTIONS

1. Cut two pieces of the Halyard fabric 7" × 8" (mask body) and two pieces 1" × 36" (tie/binding fabric). The blue side will be the outer side of the mask and the white side the inside of the mask. The 7" sides will be the width across the top and the bottom of the mask. The 8" sides will be pleated. Three pleats will make the final mask 4" deep.
2. Layer the two pieces of 7" × 8" fabric on top of each other. Sew a 1/4" seam on the 7" sides.

Notes on supplies:

SUPPLIES NEEDED:

- **Halyard H600 FABRIC** supplied by the hospital.
- **100% ACRYLIC YARN**, size medium #4
 - 4 pieces 20" (used for the ties)

Note: We are testing materials to make this easier, but for now this is how we are doing it. The strength of the ties is critical to get a snug fit. (We have tested double zigzag stitching without yarn and it does not work.)

- **16-GAUGE CRAFT WIRE** for the nose wire.
 - Cut 1 piece 5". Make a loop at each end of the wire. All loops should face the same way. Press the loops flat with your pliers to make sure there are no sharp edges sticking up. (*Loops are needed to keep the wire from poking through the fabric.*)

Note: If you do not have 16-gauge wire, use 20-gauge wire, but cut two pieces and make a loop on both ends.

Benefit of Halyard fabric is that it can be put in an autoclave for sterilization

HALYARD H600 MEDICAL FABRIC

H600 FABRIC CAN BE REUSED OVER AND OVER
SANITIZED IN A HOSPITAL AUTOCLAVE OR A 170 DEGREE OVEN FOR 30 MINUTES

NO WASHING NECESSARY



0:17 / 4:17





Image shown for reference purposes only. Actual product appearance may vary.

HALYARD* ONE-STEP* Sterilization Wrap

We have seen reports that healthcare workers and consumers are producing homemade masks due to the PPE shortage. Some reports indicate they are using O&M Halyard proprietary products (e.g. Sterilization Wrap) to make face masks which is an off-label use of the product.

O&M Halyard cannot recommend the use of any of our products off-label nor can we facilitate the purchase of products for off-label use.

- Cuts wrapping and unwrapping time in half
- Two layers of wrap are thermally sealed along the sides for double-wrapping in one step
- Optimum balance of properties needed to ensure sterility of your instruments
- POWERGUARD* technology for enhanced microbial barrier protection
- The choice of sterile processing teams around the world
- Made in USA

[Read Full Description >](#)

HALYARD ONE-STEP* Sterilization Wraps features two layers of wrap, thermally sealed along the sides. It delivers the protection of double-wrapping in a single step, in about half the time it takes to wrap or open packages using sequential double wrapping. It is the fast, easy way to ensure that instrument sterility is uncompromised. Microbial barrier protection with POWERGUARD* technology. Available in six grades from H100 to H600 to meet the full range of applications: the higher the number, the stronger the wrap.

WRAP GRADE RECOMMENDATIONS*

Wrap Grade	For:	Tray Weight (lbs.)
H100	Light linen packs, linen gowns, towel packs, single basins and other lighter wrapping needs.	0 - 3
H200	Linen towels, packs and gowns, light basin sets and single instruments.	3 - 6
H300	Basin sets, instrument sets, procedure trays and large linen packs.	6 - 9
H400	Most basin sets, instrument sets, procedure trays, large linen packs, and drills.	9 - 13
H500	Heavy instrument sets, retractors, and applications where frequent handling occurs.	13 - 17
H600	Extra heavy instrument sets such as orthopedics and Cardiovascular.	17 - 25

* Individual results may differ due to factors such as variations in handling practices, wrapping technique, folding methods, or grade standardization. Results may also differ due to the use of irregularly shaped instrument trays, which may put added stress on the wrap. Each health care facility should determine for itself which wrap grade is most appropriate for each intended use.