

MEDNET

Model Exchange & Development of Nursing &
Engineering Technologies



Surgical Mask Strap

MEDNET File: maskstrap.stl

Description

The 3D object has different pegs to hold surgical mask straps. This strap reduces ear irritation when wearing a mask.

Features

3D printed model that prints in one piece to allow doctors and nurses to place their facemask straps on this model to reduce irritation on the back of the ears.

Development Information

Materials needed: PLA filament

Finished dimensions: 1"x6.5"

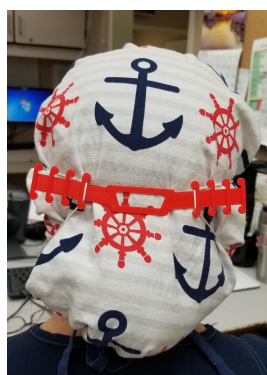
PLA filament \approx 0.01 of a roll

Production time \approx 1 hr

Approximate materials cost: \$0.25 each

Instructions for Use

People in the medical field enjoy the Surgical Mask Strap. One simply places the 3D printed strap onto one strap of the mask and then wraps it around the back of their head and secures the other side of the mask to the strap.



Material Procurement Information

Filament: Hatchbox Filament 1.75mm - \$22.99/roll (prices vary per color)

https://www.amazon.com/HATCHBOX-3D-Filament-Dimensional-Accuracy/dp/B00J0ECR5I/ref=sr_1_4?crid=2GJUX43SIM4TP&dchild=1&keywords=pla+filament+1.75mm&qid=1590077168&sprefix=pla+filament%2Caps%2C178&sr=8-4

*citation: Liles, J. Surgical Mask Strap. MED-NET. Retrieved from uahmednet.org. Adapted from thingiverse.com