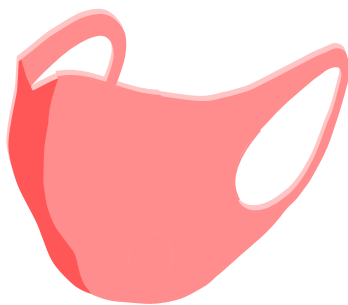


Hybrid Masks

What are hybrid masks?

Hybrid masks contain layers of different materials.

When combining certain types of fabric together, the filtration efficiency of the mask can increase.



Silk

- has electrostatic attraction
- removes low mass particles
- particles are attracted to and bind to the fibers
- electrostatic filters are especially great at filtering when we breathe. (1)

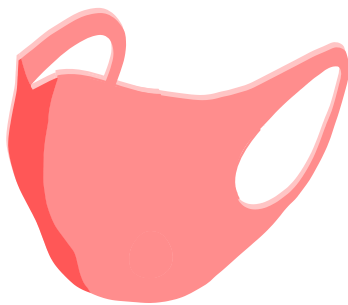
Cotton

A one-layered cotton mask, by itself, is already quite good in terms of filtration.

Combining Them

When two layers of silk are combined with one layer of 600 TPI cotton, the characteristics of the two materials work together.

- The aerosol effectiveness due to electrostatic attraction from the silk
- The great filtration efficiency from the 600 TPI cotton



Filtration Efficiency

94%
± 2%

For aerosol (particles that are <300 nm)

and

98.5%
± 0.2%

For droplets (particles that are >300 nm)