

# COVID-19

Protective Nano-silver Coated

3 PLY FACE MASK

Stock No: NS6130-10-1515

# COVID-19

## Protective Nano-silver Coated

### F A C E M A S K

Face masks are widely used by medical workers as part of droplet precautions when caring for patients with respiratory infections. It would be reasonable to suggest vulnerable individuals avoid crowded areas and use surgical face masks rationally when exposed to high-risk areas. As evidence suggests COVID-19 could be transmitted before symptom onset, community transmission might be reduced if everyone, including people who have been infected but are asymptomatic and contagious, wear face masks. To make the face mask more cost efficient as well as antibacterial, a team of scientists is developing a protective silver nano-coating that would greatly help in making medicated masks and medical wear for

fighting COVID-19. Researchers developed the coating using a combination of common polymers such as Polyphenylene Ether (PPE) and nano silver colloidal suspension. Silver nano dispersion (AgNPs) is well-known to exhibit a strong antimicrobial activity against various microorganisms such as bacteria, viruses, and fungi due to its smaller in size and large surface area. Silver nano dispersion is also widely used as anti-fungal, anti-inflammatory and anti-viral properties. Thus, the combination of anti-microbial polymer and silver nanodispersion is expected to provide a synergistic antiviral effect and these materials used would make it a cost-effective solution.

## Quick F A C T S

Product	: Face mask
Stock No	: NS6130-10-1515
Nano coating	: Silver nanoparticles
Color	: Melt Brown
Material used	: Melt blow material (Non Woven Fabric)







## Product Specification

Coating	: Silver Nanoparticles
Material	: Melt blow material (Non Woven Fabric)
Type	: 3 Layers with ear loops
Available Size	: 7"*4" (17.7cm * 10.1cm)
Function	: Protection against COVID 19
Disposable	: Yes

## Additional Powder Characteristics

Stock No.	Bacterial Filtration Efficiency	Pore Size
NS6130-10-1515	99.9%	3 Micron

    /nanoshel

[www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)

Tel: +91 9779550077,9779238252

 ISO 9001:2015  
CERTIFIED COMPANY



NEXT



## Special Properties of Face-mask

- ✓ Strong antimicrobial activity against various microorganisms
- ✓ Large surface area
- ✓ Anti-fungal
- ✓ Anti-inflammatory
- ✓ Anti-viral properties
- ✓ Anti-microbial properties
- ✓ Cost-effective solution

## Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point	Boiling Point
Ag	107.87 g/mol	0.04-5g/cm <sup>3</sup>	>1600 °C	2230 °C

    /nanoshel

[www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)

Tel: +91 9779550077, 9779238252

 ISO 9001:2015  
CERTIFIED COMPANY



NEXT

## Donning Instructions

- ✓ Place over nose and mouth with blue side out & nose clip up
- ✓ Secure ear loops around the ears
- ✓ Secure nose clip
- ✓ Secure mask under chin opening pleat

## Ordering Information and Stock Availability

- ✓ Product: Nano-silver coated face mask
- ✓ Stock Availability: Available
- ✓ Distribution: Global
- ✓ Packing Sizes: 100 Pack , 500 Pack , 500 Pack , 2000 Pack Bulk Order

### Handling Recommendations

- ✓ Store in the original container in a dry location.
- ✓ Tumble contents prior to use to prevent segregation.
- ✓ Open containers should be stored in a drying oven to prevent moisture pickup.

### Safety Recommendations

Download MSDS/SDS NS6130-10-1515

SDS are available from the Nanoshel

Website at

<https://www.nanoshel.com/product/protective-nano-silver-coated-3-ply-face-mask>

## Intelligent Materials Pvt Ltd

Derabassi-140507 Punjab-India

[www.nanoshel.com](http://www.nanoshel.com) [sales@nanoshel.com](mailto:sales@nanoshel.com)

Company's GSTIN: 03AABCI9814Q1Z6



NEXT