



THE 
MASK LAB

MEDICAL GRADE SURGICAL FACE MASK



The Mask Lab is a venture by Control Print Limited, India's own Coding & Marking Manufacturing Company. Founded in 1991, and listed on the NSE and BSE, it is one of India's Top 1,000 Companies by Market Capitalization with an average market capitalization of Rs 500 Crores in FY 2019-2020. With 2 factories, located at Nalagarh, HP and Guwahati, 11 branch offices, presence in 5 countries and more than 700 employees including a Field Sales and Service force of over 320 employees it is a leading player in its field and was awarded as India's Best SME in the Manufacturing Sector.

The Mask Lab is your premier source for International Quality Medical and Surgical Face Masks. Our brand promises to deliver the highest value of personal protection to ensure the safety of you and your employees.

The ASTM Standards Organisation has laid down the ASTM F2100 - 11 Standard to measure the performance, efficacy, and conformance of Medical Grade Surgical Masks. World over this is recognised as the de facto classification for Medical Grade Surgical Masks. Each of our masks are manufactured to conform to the ASTM F2100 - 11 Standards. They are manufactured in a clean environment and as per the guidelines of Good Manufacturing Practices to ensure proper design, monitoring, and control of the manufacturing processes and facilities.

These masks have been designed to shield Medical Workers and Patients, across a broad spectrum of disciplines such as general patient care, surgery, dentistry and diagnostics amongst others, who may be exposed to moderate quantities of blood, cough droplets, phlegm, and bodily fluids.

In addition to medical workers it's designed to protect factory and office workers, by preventing the spread of germs by way of talking, coughing, or sneezing. The mask reminds the wearer not to accidentally touch their mouth or nose, which could otherwise transfer viruses and bacteria after having touched a contaminated surface. These masks can prevent contracting of seasonal influenza or similar droplet borne infections and air-borne infections reducing absence from work or lower productivity due to illness. For industries requiring a high level of hygiene on the shop floor such as those in Pharmaceutical, Food, and Personal Care Manufacturing along with the Hospitality and Food Service Businesses this is an invaluable hygienic compliance tool.

Besides infection these masks will provide a high level of protection from airborne particulate matter such as PM 0.1, PM 2.5, PM 10, dust, allergens, post combustion particles, germs, shavings, biologics, odours, scents, mold, mold spores, and other airborne contaminants. It is especially useful in those exposed to high levels of dust and other pollutants in industries such as transport, textiles, cement, and construction.

THE MASK LAB MEETS LEVEL 3 OF THE ASTM F2100 - 11 STANDARDS

ASTM F2100 -11 Standard Levels

- 1 Level 1: low barrier protection
General use for short procedures and exams that don't involve aerosols, spray or fluids
- 2 Level 2: moderate barrier protection for low to moderate levels of aerosols, spray and/or fluids
- 3 Level 3: maximum barrier protection for heavy levels of aerosols, spray and/or fluids

Characteristics



Resistance to Penetration by synthetic blood, minimum pressure in mm - Hg

80 mm Hg

120 mm Hg

160 mm Hg



Breathability - Differential pressure, mm H₂O/cm²

<4.0

<5.0

<5.0



Bacterial Filtration Efficiency

≥95%

≥98%

≥98%



Sub-micron particulates filtration efficient at 0.1 micron

≥95%

≥98%

≥98%



Flame spread

Class 1

Class 1

Class 1

THREE LAYERS OF PROTECTION

These masks are composed of Three Layers of Non-Woven Fabric:

THE INNER LAYER is used to absorb the moisture and moisture released by the wearer

THE FILTER LAYER in the middle and uses melt blown Polypropylene fabric that serves as a barrier against microbes from entering or exiting the mask. This is the heart of the mask.

THE OUTER LAYER is waterproof which is mainly used to isolate the liquid sprayed by the patient

PLEATS are commonly used to allow the user to expand the mask such that it covers the area from the nose to the chin.

EAR LOOPS are provided to secure the masks behind the head

NOSE STRIP is provided to ensure there are no gaps on either side of the mask

PM 0.1 Ultra fine particles (various viruses)
<0.1µm (microns) in diameter

PM 2.5 Combustion particles (car exhaust, wood smoke), organic compounds, metal, etc.
<2.5µm (microns) in diameter

PM 10 Dust, pollen, mold, etc.
<10µm (microns) in diameter

Human Hair
50-70 µm (microns) in diameter

OUR MASKS MEETS

ASTM STANDARDS

MELT BLOWN FILTRATION LAYER

BACTERIAL FILTRATION EFFICIENCY $\geq 98\%$

SUB MICRON PARTICULATE FILTRATION EFFICIENCY $\geq 98\%$

TIPS TO WEAR A MASK



Wash your hands



Unfold the pleats; make sure that they are facing down. Make sure the coloured side is always on the outside and White on the inside



Place over the nose, mouth and chin. Place loops over the ears



Fit flexible nose piece over nose bridge. Ensure there are no gaps on either side of the mask



Do not let the mask hang from the neck

HOW TO DISPOSE A MASK



Hold both the ear loops and gently lift to remove the mask



Be gentle so as to not disturb liquid and solid contaminants on the mask



Place mask in a plastic bag, like a grocery shopping bag or a zip lock bag



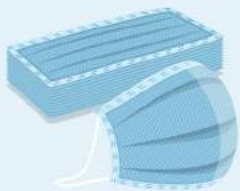
Secure bag tightly. Place plastic bag into the garbage can or waste disposal unit



Wash hands immediately after disposing your mask

HOW DO WE PACK

50 Masks in a Monocarton



20 Monocartons in a Shipper Carton



20 Monocartons of 50 Masks each = 1,000 Masks



Manufactured By - Control Print Limited

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