

3 Masks Norms

Dust Mask

is a flexible pad held over the nose and mouth by elastic or rubber straps to protect against dusts encountered during construction or cleaning activities.

Surgical mask, also known as a **procedure mask**, **medical mask** or simply as a **face mask**

is intended to be worn by health professionals during surgery and during nursing to catch the bacteria shed in liquid droplets and aerosols from the wearer's mouth and nose. They are not designed to protect the wearer from inhaling airborne bacteria or virus particles and are less effective than respirators, such as N95 or FFP masks, which provide better protection due to their material, shape and tight seal.

The design of the surgical masks depends on the mode, usually the masks are three-ply (three layers). This three-ply material is made up from a melt-blown material placed between non-woven fabric. The melt-blown material acts as the filter that stops microbes from entering or exiting the mask. Most surgical masks feature pleats or folds.

Norms: YY0469-2011, YY/T0969-2013, EN14683-2019+AC-2019, ASTM F2100-2019

- Dust PM10
- Particulate Matter PM2.5 PM0.3
- Viruses Bacteria Gas pollution

EN14683 Medical Facemask	Bacterial Filtration Efficiency (%)	Differential Pressure (Pa/cm ²)	Splash Resistance Pressure (kPa)	Microbial Cleanliness (cfu/g)
Type I	≥ 95	< 29.4	Not required	≤ 30
Type II	≥ 98	< 29.4	Not required	≤ 30
Type IIR	≥ 98	< 49.0	≥ 16	≤ 30

4 Respirators Norms

Respirator is a device designed to protect the wearer from inhaling hazardous atmospheres, including particulate matter such as dusts and airborne microorganisms, as well as hazardous fumes, vapors and gases. United States norms the National Institute for Occupational Safety and Health, NIOSH, defines the following categories of particulate filters as of 2011:

Oil resistance	Rating	Description
Not oil resistant	N95	Filters at least 95% of airborne particles
	N99	Filters at least 99% of airborne particles
	N100	Filters at least 99.97% of airborne particles
Oil resistant	R95	Filters at least 95% of airborne particles
	R99	Filters at least 99% of airborne particles
	R100	Filters at least 99.97% of airborne particles
Oil proof	P95	Filters at least 95% of airborne particles
	P99	Filters at least 99% of airborne particles
	P100	Filters at least 99.97% of airborne particles

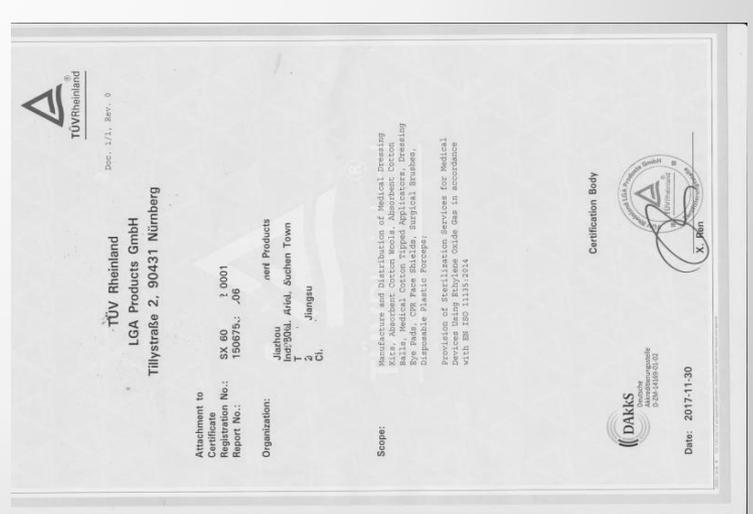
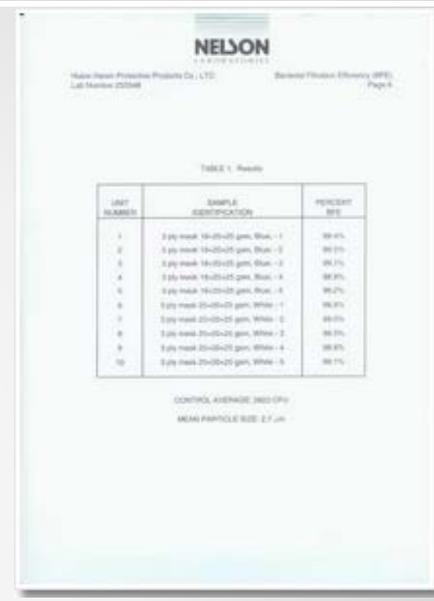
European norms EN 149-2000+A1-2009 defines the following classes of "filtering face pieces" (FFP), that is respirators that are entirely or substantially constructed of filtering material:

Physical Properties EN149		FFP1	FFP2	FFP3
Total Inward Leakage		Not more than 22% Average	Not more than 8% Average	Not more than 2% Average
Penetration of filter material, maximum initial penetration of test aerosols	Sodium chloride test 95l/min% max	20	6	1.0
	Paraffin oil test 95l min % max	20	6	1.0
Breathing resistance, maximum permitted resistance (mbar)	Inhalation 30 l/min	0.6	0.7	1.0
	Inhalation 95 l/min	2.1	2.4	3.0
	Exhalation 160 l/min	3	3	3.0

Australia norms AS/NZS 1716:2012 specified two level masks, P1 for 80% filter penetration limit, and P2 for 94%. Chinese norms GB19083-2010 specified KN95 for 95% filter penetration limit.

Poor fit can have a negative impact on the respirator's overall filtering effectiveness by as much as 65%.

5 Qualification



FDA

ISO 11135

Disposable Medical Facemask

- Filter class: Type II
- Standard: EN 14683-2019+AC-2019
- Nose Clip Material: Steel
- Strap Type: Elastic earloop
- Size: 170×100mm ± 10%
- Construction: Three-ply design and made up from a melt-blown filter placed between soft non-woven fabric.



Benefits: It provides good barrier protection of bacterial and dust, low breathing resistance.

Item No.	Bacterial Filtration Efficiency(%)	Sizes	Color	Packaging	EXW Price
YCRF01	≥ 98%	adult sizes	White/ Blue/ Light Blue	100pcs/Box	Send Mail

N95 Respirator

3M 9502V+

- Filter class: FFP2 NR D
- Standard: EN 149:2001 & A1:2009, NIOSH-42CFR84, GB 2626-2006
- Nose Clip Material: Metal
- Strap Type: Elastic headband
- Construction: Hot and cold breathing valve make the breathing more comfortable and suit for more than 4hrs' wearing.



Benefits: It provides good barrier protection of bacterial and dust, low breathing resistance. The 3D design increases the oral and nasal space to eliminate the general mask respiratory urgency. CE, FDA certified.

Item No.	Bacterial Filtration Efficiency(%)	Sizes	Color	Packaging	EXW Price
YCRF10	≥ 95%	adult sizes	White	25pcs/Box	Send Mail

KN95 with Valve

- Filter class: FFP2 NR D
- Standard: EN 149:2001 & A1:2009, GB 2626-2006
- Nose Clip Material: Metal
- Strap Type: Elastic ear loop
- Construction: Hot and cold breathing valve make the breathing more comfortable and suit for more than 4hrs' wearing.



Benefits: It provides good barrier protection of bacterial and dust, low breathing resistance. The 3D design increases the oral and nasal space to eliminate the general mask respiratory urgency. CE certified.

Item No.	Bacterial Filtration Efficiency(%)	Sizes	Color	Packaging	EXW Price
YCRF11	≥ 95%	adult sizes	White/ Grey	1pc/bag,50pcs/Box, 2000pcs/carton	Send Mail

KN95

- Filter class: FFP2 NR D
- Standard: EN 149:2001 & A1:2009 and GB 2626-2006
- Nose Clip Material: Steel
- Strap Type: Elastic earloop
- Construction: Six-ply design and made up from two 25g melt-blown 90-95 standard filter with a cotton filter in the middle placed between 45g soft non-woven fabric.



Benefits: It provides good barrier protection of bacterial and dust, low breathing resistance. The 3D design increases the oral and nasal space to eliminate the general mask respiratory urgency. CE certified.

Item No.	Bacterial Filtration Efficiency(%)	Sizes	Color	Packaging	EXW Price
YCRF02	≥ 95%	Adult	White	1pc/bag,50pcs/Box, 2000pcs/carton	Send Mail

3D N95 for Children

- Filter class: FFP2 NR D
- Standard: EN 149:2001 & A1:2009 and GB 2626-2006
- Nose Clip Material: Steel
- Strap Type: Elastic earloop
- Construction: Three-ply design and made up from a melt-blown filter placed between soft non-woven fabric.



Benefits: It provides good barrier protection of bacterial and dust, low breathing resistance. The 3D design increases the oral and nasal space to eliminate the general mask respiratory urgency. CE, FDA, NIOSH, SAI certified.

Item No.	Bacterial Filtration Efficiency(%)	Sizes	Color	Packaging	EXW Price
YCRF03	≥ 95%	For 2-7 years age	Blue/White	5pcs/Bag, 2500pcs/Carton	Send Mail
YCRF04	≥ 95%	For 7-12 years age, suitable for adult as well	Blue/White	5pcs/Bag, 2500pcs/Carton	Send Mail