

Guide to Face Mask Selection and Use

Need help finding the right mask ?

Select the mask design, fit and filtration that matches the risk level and protection required



ASTM PERFORMANCE LEVELS

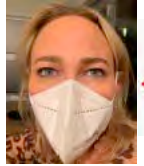
MAXIMUM FILTRATION

FFP2 and N95 Particulate Respirator

Filtration Efficiency PFE = 99.9% @ 0.1 micron
Breathability - Delta P > 5.0 mm H₂O/cm²
Flame Spread Class 1



Indicated for use when treating patients with airborne diseases
 FFP2 NR, PPE 2016/425, CE0370
 Meets Europe EN149:2001+A1:2009
 N95 (United States NIOSH-42CFR84)
 KN95 (China GB2626-2006)
 P2 (Australia/New Zealand AS/NZA 1716:2012)



ASTM LEVEL 3

High Fluid Resistance 160 mmHg
Filtration Efficiency BFE ≥ 98%
 PFE ≥ 98% @ 0.1 micron
Breathability - Delta P < 5.0 mm H₂O/cm²
Flame Spread Class 1



Ideal for procedures where heavy to moderate amounts of fluid, spray and/or aerosols are produced.
 SGS Tested ASTM 3
 TGA, FDA and Medsafe
 Meets EN14683 Rating – Type IIR Standard with splash of 160



ASTM LEVEL 2

Moderate Fluid Resistance 120 mmHg
Filtration Efficiency BFE ≥ 98%
 PFE ≥ 98% @ 0.1 micron
Breathability - Delta P < 5.0 mm H₂O/cm²
Flame Spread Class 1



Ideal for procedures where moderate to light amounts of fluid, spray and/or aerosols are produced.
 Meets EN14683 Rating – Type IIR Standard with splash of 120



ASTM LEVEL 1

Low Fluid Resistance 80 mmHg
Filtration Efficiency BFE ≥ 95%
 PFE ≥ 95% @ 0.1 micron
Breathability - Delta P < 4.0 mm H₂O/cm²
Flame Spread Class 1



Ideal for procedures where low amounts of fluid, spray and/or aerosols are produced.
 Meets EN14683 Rating – Type II Standard.



LOW PERFORMANCE

Surgical Molded Utility Mask
Physical Barrier Only
No LEVEL Performance Level **
Filtration Efficiency N/A

**Unless mask manufacturer certifies mask meets ASTM performance Level 1

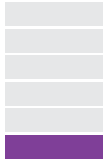


Ideal as a comfortable substitute for earloop face masks, this mask is a simple physical barrier for exams and visitations or for dry, short procedures that do not produce fluid, spray or aerosols.



MINIMUM PERFORMANCE

Utility Mask (Tissue/Tissue)
Physical Barrier Only
No LEVEL Performance Level
Filtration Efficiency N/A



Ideal as a simple physical barrier for exams and visitations or for dry, short procedures that do not produce fluid, spray or aerosols.



Understanding ASTM Face Mask Performance Levels

FEATURE	EXPLANATION
Fluid Resistance	Mask resistance to penetration by synthetic blood under pressure (mmHg). Higher fluid resistance = Higher protection.
BFE - Bacterial Filtration Efficiency	Percentage of aerosol particles filtered at a size of 3 microns.
PFE - Submicron Particle Filtration Efficiency	Percentage of submicron particles filtered at 0.1 microns.
Delta P - Differential Pressure	Pressure drop across mask, or resistance to air flow in mmH ₂ O/cm ² . Greater resistance = better filtration but less breathability.
Flame Spread	Measures the flame spread of the mask material.



SELECT THE RIGHT MASK FOR THE TASK

