




Mask Type	Standards	Filtration Effectiveness		
<b>Single-Use Face Mask</b> 	China: YY/T0969	Open-Data Tests Smart Air SmartAirFilters.com  3.0 Microns: ≥95% 0.1 Microns: ✘		
<b>Surgical Mask</b> 	China: YY 0469	3.0 Microns: ≥95% 0.1 Microns: ≥30%		
	USA: ASTM F2100	Level 1	Level 2	Level 3
		3.0 Microns: ≥95% 0.1 Microns: ≥95%	3.0 Microns: ≥98% 0.1 Microns: ≥98%	3.0 Microns: ≥98% 0.1 Microns: ≥98%
	Europe: EN 14683	Type I	Type II	Type III
3.0 Microns: ≥95% 0.1 Microns: ✘		3.0 Microns: ≥98% 0.1 Microns: ✘	3.0 Microns: ≥98% 0.1 Microns: ✘	
<b>Respirator Mask</b> 	USA: NIOSH (42 CFR 84)	N95 / KN95	N99 / KN99	N100 / KN100
	China: GB2626	0.3 Microns: ≥95%	0.3 Microns ≥99%	0.3 Microns ≥99.97%
	Europe: EN 149:2001	FFP1	FFP2	FFP3
		0.3 Microns: ≥80%	0.3 Microns: ≥94%	0.3 Microns: 99%

**3.0 Microns:** Bacteria Filtration Efficiency standard (BFE).

**0.1 Microns:** Particle Filtration Efficiency standard (PFE).

**0.3 Microns:** Used to represent the most-penetrating particle size (MPPS), which is the most difficult size particle to capture.

**✘:** No requirements.