




Different kinds of masks

Mask Type	Standards	Filtration Effectiveness		
 Single Use Face Mask	China: YY/T0969	BFE: $\geq 95\%$ PFE: ✗		
 Surgical Mask	China: YY 0469	BFE: $\geq 95\%$ PFE: $\geq 30\%$		
	USA: ASTM F2100	Level 1 BFE: $\geq 95\%$ PFE: $\geq 95\%$	Level 2 BFE: $\geq 98\%$ PFE: $\geq 98\%$	Level 3 BFE: $\geq 98\%$ PFE: $\geq 98\%$
	Europe: EN 14683	Type I BFE: $\geq 95\%$ PFE: ✗	Type II BFE: $\geq 98\%$ PFE: ✗	Type III BFE: $\geq 98\%$ PFE: ✗
 Respirator Mask	USA: NIOSH (42 CFR 84)	N95 / KN95	N99 / KN99	N100 / KN100
	China: GB2626	0.3 μm : $\geq 95\%$	0.3 μm : $\geq 99\%$	0.3 μm : $\geq 99.97\%$
	Europe: EN 149:2001	FFP1 0.3 μm : $\geq 80\%$	FFP2 0.3 μm : $\geq 94\%$	FFP3 0.3 μm : 95%

BFE: Bacteria Filtration Efficiency. Efficiency at capturing bacteria (3.0 microns)

PFE: Particle Filtration Efficiency. Efficiency at capturing particles (0.1 microns)

0.3 μm : Most Penetrating Particle Size (MPPS). This is the most difficult sized particle to capture.