

Filter for HK MASK

Sample	Filtration Efficiency (%) @0.3um particle size	PD (mmH2O) flow rate: 32L/min
1 Mask only	8.70%	2.3
2 One tissue paper	45.75%	9.1
3 Two tissue paper (0+45°)	69.20%	16.8
4 Two tissue paper (0+90°)	70.10%	16.9
5 Two tissue paper (0+0°)	69.60%	17.1
6 Three tissue paper (0+0+0°)	83.00%	24.8
7 One kitchen paper	73.70%	37.1
8 Two kitchen paper (0+45°)	89.20%	60.7
9 Two kitchen paper (0+90°)	91.30%	66.4
upcoming MultiH [®] Nanofiber (K. Kwong)	86+/-5%	lower <5.82

Sandwiched
with
HK MASK

Target

Ranges of surgical masks available in market	7.51-88.2%	0.42-5.82
N95	>95%	

(13 different
masks tested)

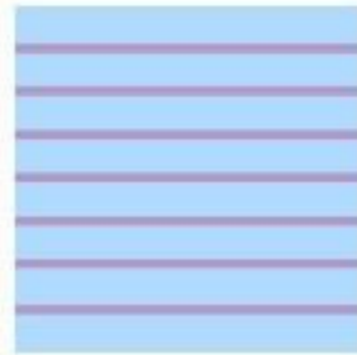
Tested on 20 Feb 2020

- * Higher filtration efficiency = better filtration effect
- * Higher PD flow rate = more difficult to breathe

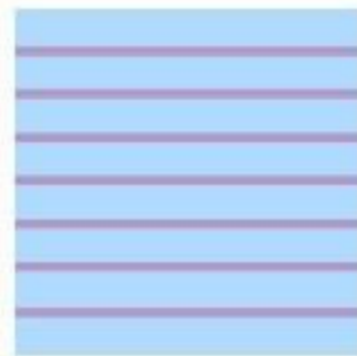
Filter for HK MASK

Examples:

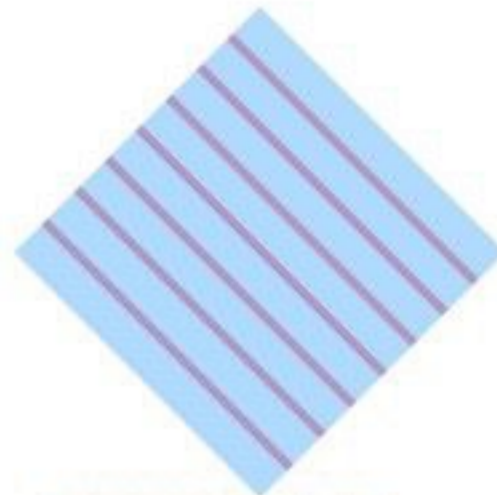
One tissue paper



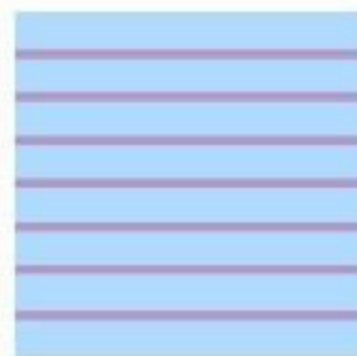
Two tissue paper (0+45°)



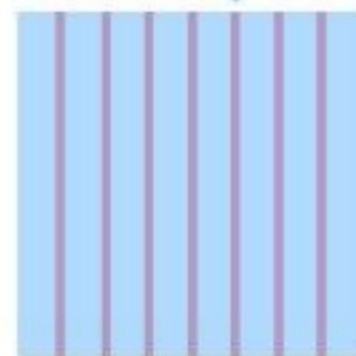
+



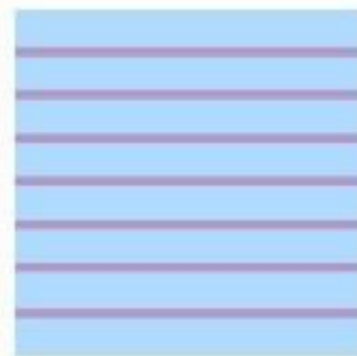
Two tissue paper (0+90°)



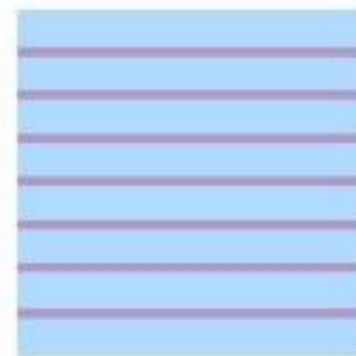
+



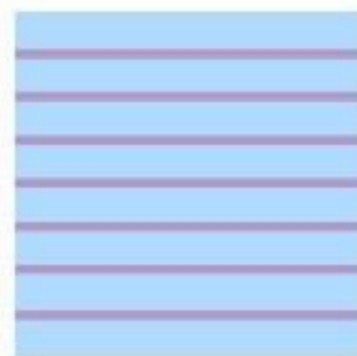
Two tissue paper (0+0°)



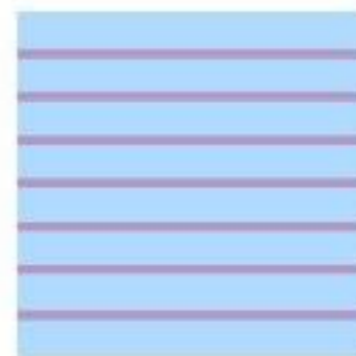
+



Three tissue paper (0+0+0°)



+



+

