



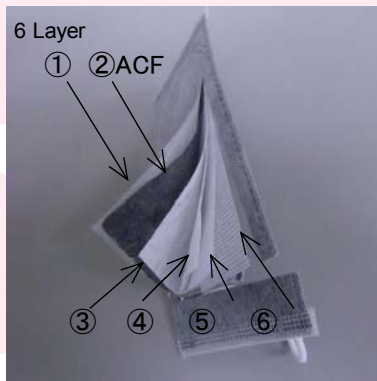
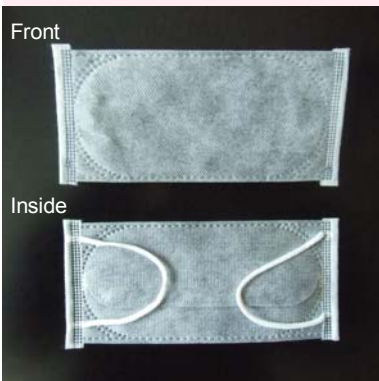
# Cold·Pollen prevention Against virus infection

## ◇USE

- At theater or cinema
- Long public transportation by train, bus, or airplane
- Visiting to or staying at medical treatment facility where we concern about infection
- In the crowd

## Characteristics

- Using high quality special activated CarbonFiber
- Blocking dust or virus out by 5 layer structures
- Catching odor such as bad breath or empyema
- Fitting to face by 3D structure
- The inner side is protected, so that it is hygienic
- The appearance is simple since the outer surface is flat shape



- ①Waterproof sheet
- ②ACF sheet
- ③~④ Filter
- ⑤Antibacterial sheet
- ⑥Cover sheet
- ※ACF:  
Activated CarbonFiber

## ◆Mask Function

Bacterial Filtration Efficiency		99.4~99.8 %
Particle Filtration Efficiency		91.54 %
Air Exchange Pressure ( ΔP)		6.20mmH <sub>2</sub> O/cm <sup>2</sup>
Antibacterial activity test	Staphylococcus aureus	99.9 %
	Klebsiella pneumoniae	99.9 %
	Eschericia coli	99.9 %

※PFE test particle diameter is 1/10 of standard diameter.

## ◇Specification

- Size: Adult  
(There are kids type)
- Standard Color: White
- Ear suspension type

## Sales unit

- 30qty/box × 40box = 1200qty/carton
- Retail sales
- 30 qty in one box

General saler

**so-en**  
think earth

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# ACF Mask 【3DGL Type】

## Performance Test

Test Items	Test Results	Test Methods
1. Bacterial Filtration Efficiency Staphylococcus aureus	1 99.4%	ASTM F2101-2007 ATCC 6538
	2 99.7%	
	3 99.8%	
	4 99.7%	
	5 99.7%	
2. Particle Filtration Efficiency (0.075 μm, NaCl)	91.54%	NIOSH 42 CFR84 TSI Model 8130 Mass mean diameter : 0.075 μm, NaCl Flow rate : 85.2 Liter/min
3. Air Exchange Pressure( P)	6.20mmH <sub>2</sub> O/cm <sup>2</sup>	MIL-36945C 4.4.1.2
4. Inhalation Resistance	12.66mmH <sub>2</sub> O/cm <sup>2</sup>	NIOSH 42 CFR84 TSI Model 8130 Flow rate : 40.2 Liter/min
5. Exhalation Resistance	13.65mmH <sub>2</sub> O/cm <sup>2</sup>	
6. Antibacterial Activity(S) Test Staphylococcus aureus	99.9 %	AATCC 100-1999
7. Antibacterial Activity(S) Test Klebsiella pneumoniae	99.9 %	
8. Antibacterial Activity(S) Test Escherichia coli	99.9 %	
9. Adsorption Activity Benzene	11.1 wt%	Concentration=20g/m <sup>3</sup> , Temperature=25 Velocity=0.3m/s
10. Adsorption Activity Toluene	11.6 wt%	ASTM D-3467-93
11. Adsorption Activity Carbon Tetrachloride	18.8 wt%	Concentration=250mg/L, Temperature=25 Velocity=10m/min ASTM D-3467-93
12. Cadmium(Cd)	N.D.	IEC 62321/2nd CDV(111/95/CDV)
13. Lead(Pb)	N.D.	12. Determination of Cadmium by ICP-AES
14. Mercury(Hg)	N.D.	13. Determination of Lead by ICP-AES
15. Cr(VI)	N.D.	14. Determination of Mercury by ICP-AES
16. Sum of PBB	N.D.	15. Determination of Cr(VI) by UV/Vis Spectrometry
17. PBDE(Mono to Nona)	N.D.	16 ~ 18. Determination of PBB and PBDE by GC/MS
18. PBDE(Mono to Deca)	N.D.	

### 【Note】

- a. Item 1. Bacterial Filtration Efficiency indicates the filtration rate of average 3 μm particle including bacteria.
- b. Item 2. Particle Filtration Efficiency indicates the filtration rate of solid particle.  
The test particle diameter is mass median aerodynamic diameter. It's 1/10 of count median diameter.
- c. Item 3. Air Exchange Pressure (ΔP) indicates the easiness of breathing.
- d. Item 1 ~ 5 are tested by Taiwan Textile Research Institute.
- e. Item 6 ~ 8 are tested by ITS Intertek Testing Services Taiwan Ltd.
- f. Item 9 ~ 11 are tested by Industrial Technology Research Institute.
- g. Item 12 ~ 18 are tested by SGS Taiwan Ltd.