

# Cold·Pollen prevention Against virus infection

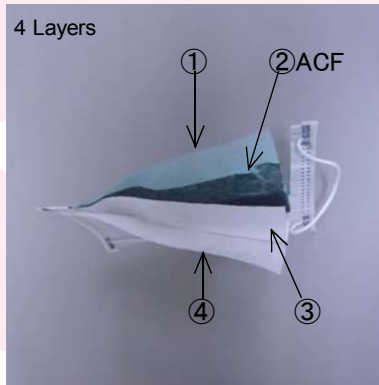
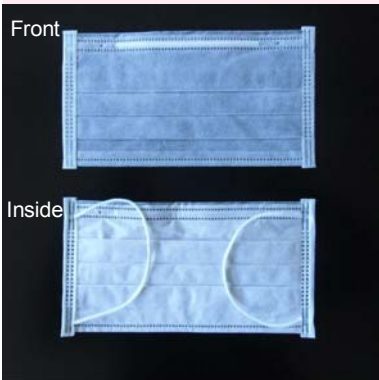


## USE

- 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 4 layer structures
- Catching odor such as bad breath or empyema
- Fitting to face by nosepiece



- ①Waterproof sheet
  - ②ACF sheet
  - ③Special filter
  - ④Antibacterial sheet
- ※ACF:  
Activated CarbonFiber

## ◇Specification

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

## Sales unit

- 50qty/box × 20box = 1000qty/carton
- Retail sales
- 50 qty in one box

## ◆Mask Function

|                                 |  |        |
|---------------------------------|--|--------|
| Bacterial Filtration Efficiency | 99.8 %                                 |        |
| Particle Filtration Efficiency  | 94.33 %                                |        |
| Air Exchange Pressure ( ΔP)     | 3.47mmH <sub>2</sub> O/cm <sup>2</sup> |        |
| Fluid Resistance                | 80mmHg - none                          |        |
| Antibacterial activity test     | Staphylococcus aureus                  | 99.9 % |
|                                 | Klebsiella pneumoniae                  | 99.9 % |
|                                 | Eschericia coli                        | 99.9 % |

General saler

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# ACF Mask 【PLANE Type】

## Performance Test

| Test Items  | Test Results                           | Test Methods   |
|---|--|--|
| 1. Bacterial Filtration Efficiency<br>Staphylococcus aureus | 1 99.8%                                | ASTM F2101-2007 ATCC 6538  |
|   | 2 99.9%                                |  |
|   | 3 99.6%                                |  |
|   | 4 99.4%                                |  |
|   | 5 99.4%                                |  |
| 2. Particle Filtration Efficiency<br>( 0.3 μ m, NaCl )      | 94.33 %                                | NIOSH 42 CFR 84 TSI Model 8130<br>Mass mean diameter : 0.3 μ m, NaCl<br>Flow rate : 32.0 ± 2 Liter/min |
| 3. Pressure Drop ( P )                                      | 3.47mmH <sub>2</sub> O                 |  |
| 4. Air Exchange Pressure( P )                               | 3.47mmH <sub>2</sub> O/cm <sup>2</sup> | MIL-36945C 4.4.1.2   |
| 5. Fluid Resistance : 80mmHg                                | 1 ~ 10 none                            | ASTM F1862-2000  |
| 6. Antibacterial Activity(S) Test<br>Staphylococcus aureus  | 99.9 %                                 | AATCC 100-1999, 147-1998   |
| 7. Antibacterial Activity(S) Test<br>Klebsiella pneumoniae  | 99.9 %                                 |  |
| 8. Antibacterial Activity(S) Test<br>Escherichia coli       | 99.9 %                                 |  |
| 9. Adsorption Activity<br>Benzene                           | 11.1 wt%                               | Concentration=20g/m <sup>3</sup> , Temperature=25<br>Velocity=0.3m/s                                   |
| 10. Adsorption Activity<br>Toluene                          | 11.6 wt%                               | ASTM D-3467-93   |
| 11. Adsorption Activity<br>Carbon Tetrachloride             | 18.8 wt%                               | Concentration=250mg/L, Temperature=25<br>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 μ m 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 4. Air Exchange Pressure ( Δ P ) indicates the easiness of breathing.
- d. Item 5. Fluid Resistance ( FR ) shows how strong pressure mask can be tolerance if fluid (blood) is scattered.
- e. Item 1 ~ 5 are tested by Taiwan Textile Research Institute.
- f. Item 6 ~ 8 are tested by ITS Intertek Testing Services Taiwan Ltd.
- g. Item 9 ~ 11 are tested by Industrial Technology Research Institute.
- h. Item 12 ~ 18 are tested by SGS Taiwan Ltd.