

MASKS OFFER | MAY 26TH, 2020

SALJO

NANOFIBER FILTER MASK PRODUCT BROCHURE



Breathing New Technology, Nanofiber Nanofiber Filter

Nano fibers are only 1 nanometer, 1 billionth of a meter, in thickness. Nanofiber is a new material made by building these fibers sterically for a fishnet structure that has better permeability, blockability, and durability than any fiber ever invented.



Permeability



Blockability



Durability

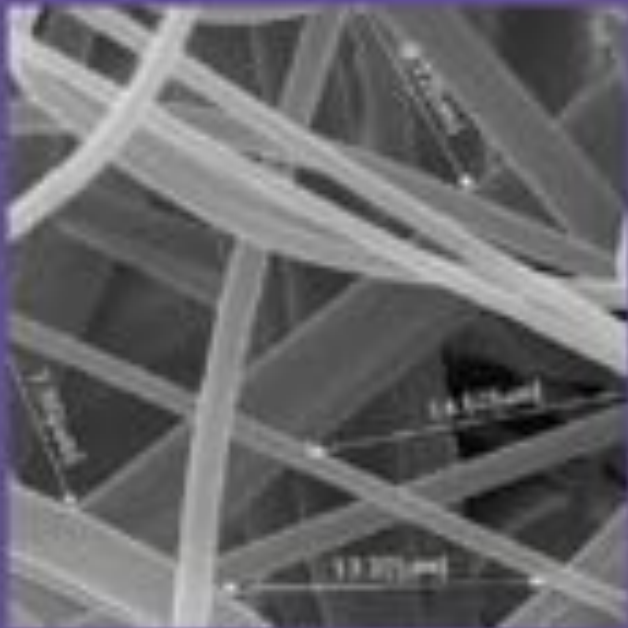
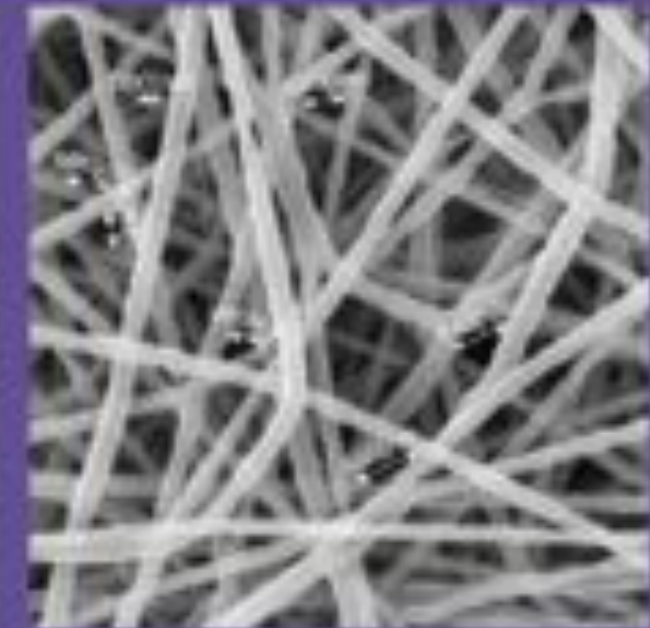


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Nanofiber Filter has a different
fiber thickness / fiber thickness / filtering method
 from the existing electrostatic filter

<p>Melt-Blown Filter</p> <p>5,000 times enlarged</p> <p>The fiber is thick Average space between the fibers is over 10µm</p>			<p>Nanofiber Filter</p> <p>15,000 times enlarged</p> <p>Very thin, nano thickness Average space between the fibers is 1.0µm, with self-filtering</p>
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The Nanofiber Filter from Korea's
is a cutting-edge technology applied to
global brands and products

It is exclusively distributed to **THE NORTH FACE** as the brand **FUTURELIGHT**.

It is also used for **RENERGIE mask pack** from **LANCÔME** that touches the skin directly.

This technology is used for **smart devices** that sends **sounds** but needs **protection against dust and moisture**.



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**Long-lasting freshness
from morning to evening!**

The effectiveness of electrostatic masks decreases with each breath due to the moisture
Nanofiber Filter has great permeability, so you can feel fresh even after a long term use

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Excellent filtering and permeability of Nanofiber

Nanofiber smart filter blocks pollutants and enables easier breathing

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Wearing mask all day causes skin trouble (C Newspaper)

Must wear permeable masks (M Newspaper)

Pimple breaks out due to wearing masks
(National Health Insurance Service blog)

If you care about the skin,
permeability is even more important.

There is moisture in our respiratory system
If a mask has bad permeability, the moisture from within
cannot escape, which causes eczema

If you wear a mask for a long time,
you really need a permeable mask

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Because we need to wear it all day,
we made it lighter.

AirQUEEN Nano mask 3.71g

Lighter than a sheet of paper, so you won't even realize wearing it!

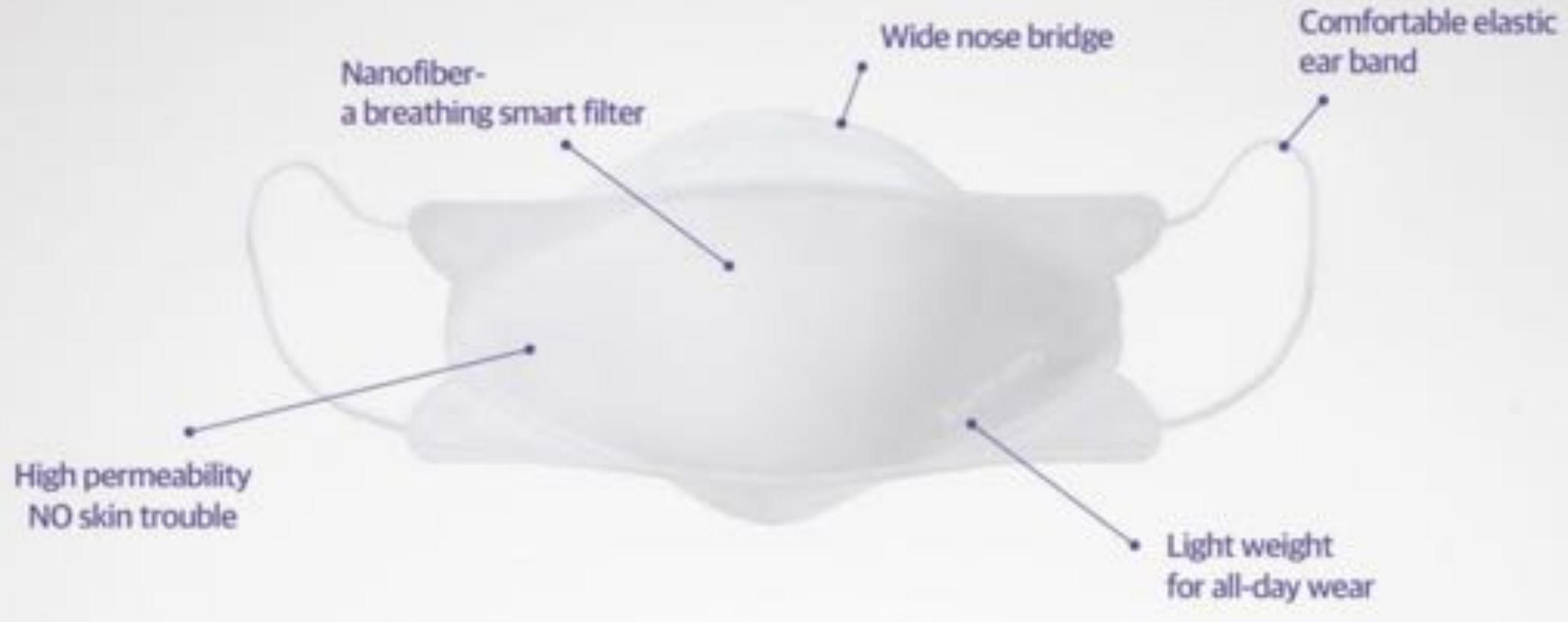


※ a sheet of paper = 4.72g

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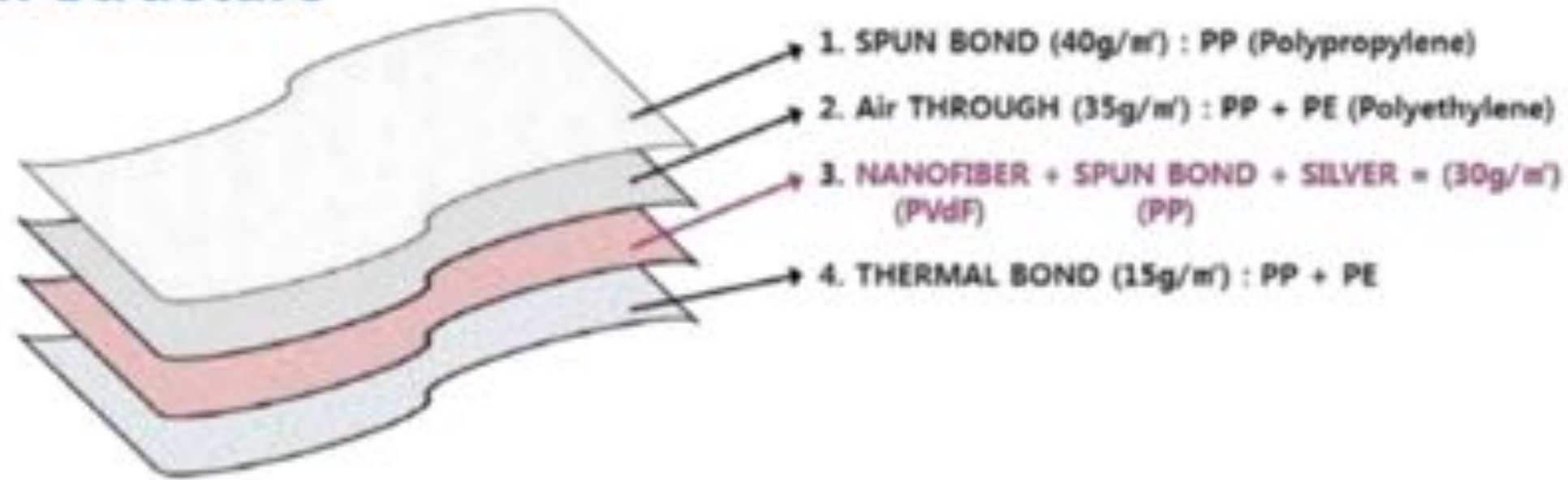
3D ergonomic design to fit perfectly on all face types.

Nose bridge prevents sliding or fogging up.

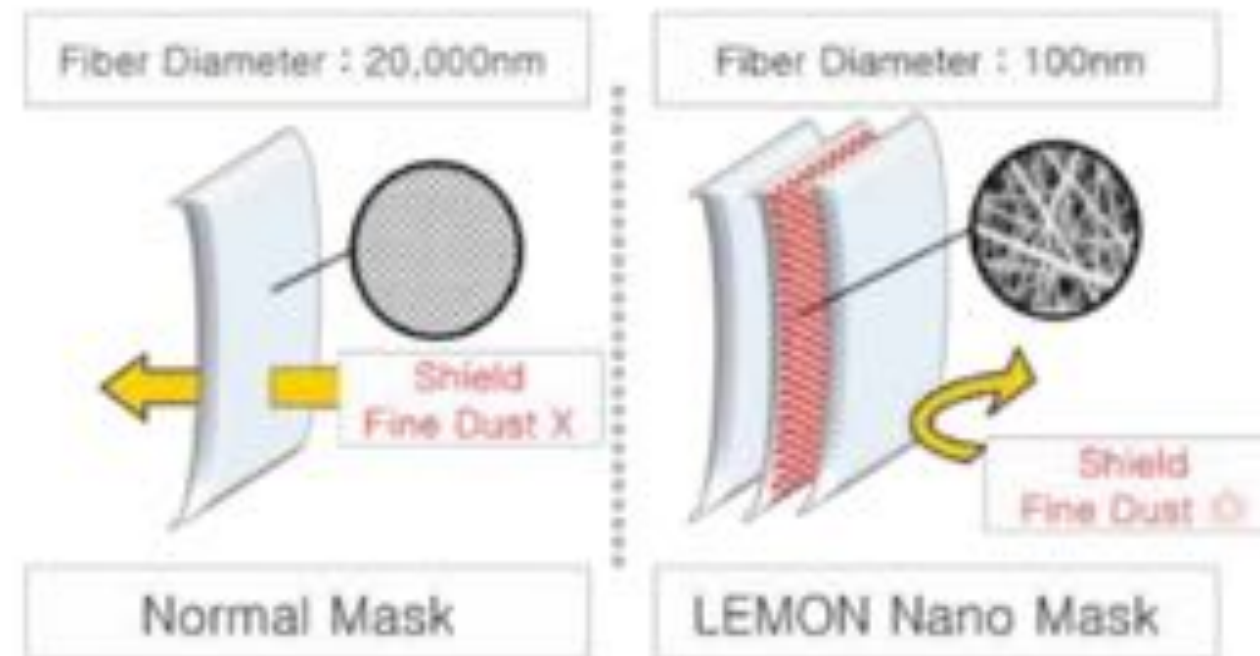


Structure and Comparison

Mask Structure

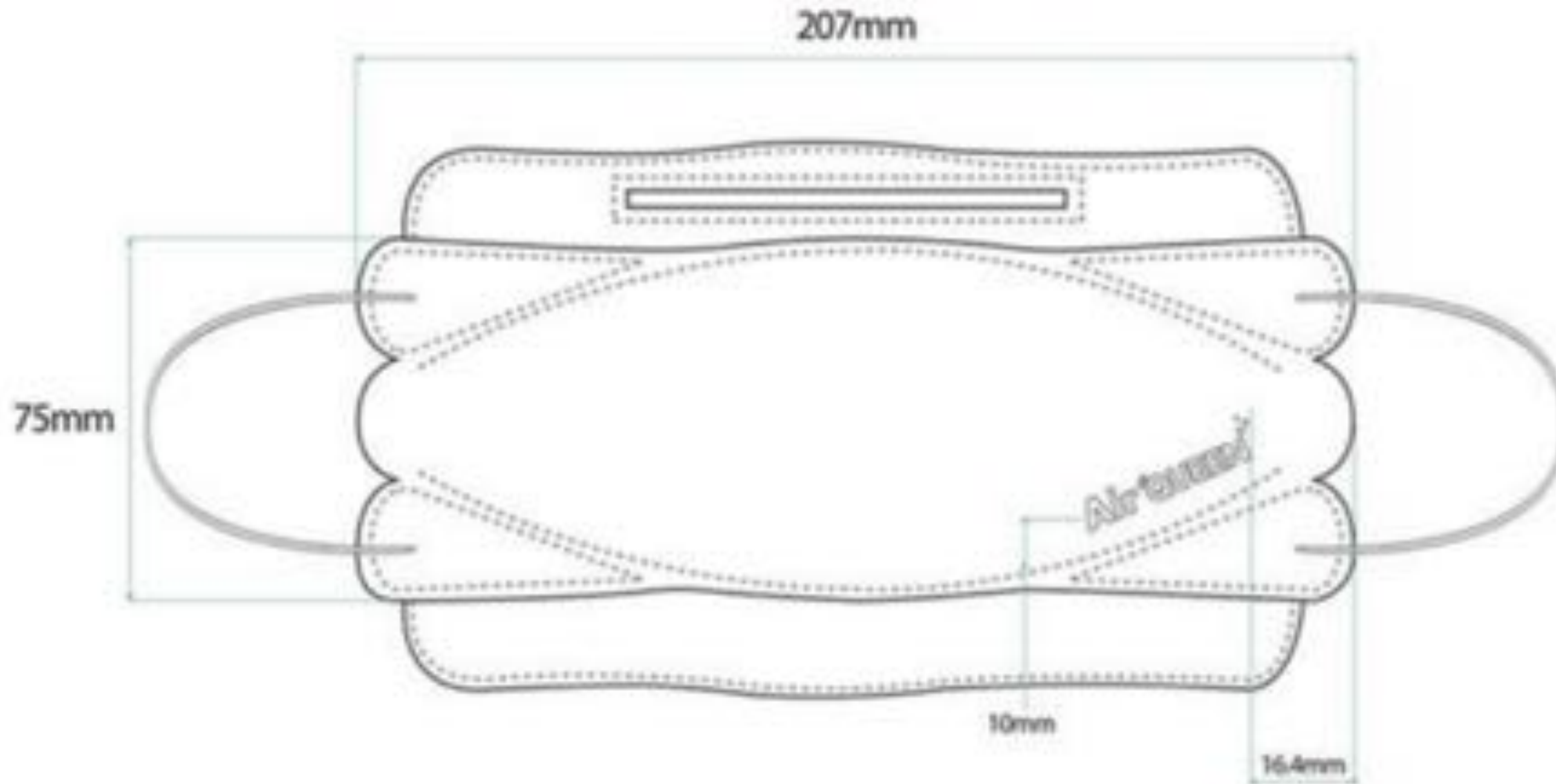


Normal Mask VS Nano Mask





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- Patent Registration no. : 10-1040055
- Name of Invention:
An electrospinning device and an apparatus for manufacturing nano-fiber

The Nanofiber Filter of AirQUEEN Nano Mask is manufactured with patent technology.

- Cutting-edge technology that mass-produces consistent nano fiber filters
- Selected as one of 100 technologies to lead Korea in 2020
- Approximately 50 patents around the world

Nanofiber Filter with excellent permeability and perfect protection from water and dust, used in AirQUEEN Masks, is the fruit of LEMON, a company listed through KOSDAQ, researching and developing nano fiber technology for 14 years



The Nanofiber Filter of AirQUEEN Mask is produced in a clean and sanitary facility.

- Proven suitable for ISO 9001 quality management system
- Proven suitable for ISO 14001 environment management system

The Nanofiber Filter used for AirQUEEN Masks is produced in a facility approved for environment management system, so it is safe and sanitary.



EUROPE SGS CERTIFICATION

유럽 SGS 인증



REACH, RoHS CERTIFICATION

REACH, RoHS 인증



금속 물질 및
유해화합물 미검출 인증

유기 용제 및
화합물 미검출 인증

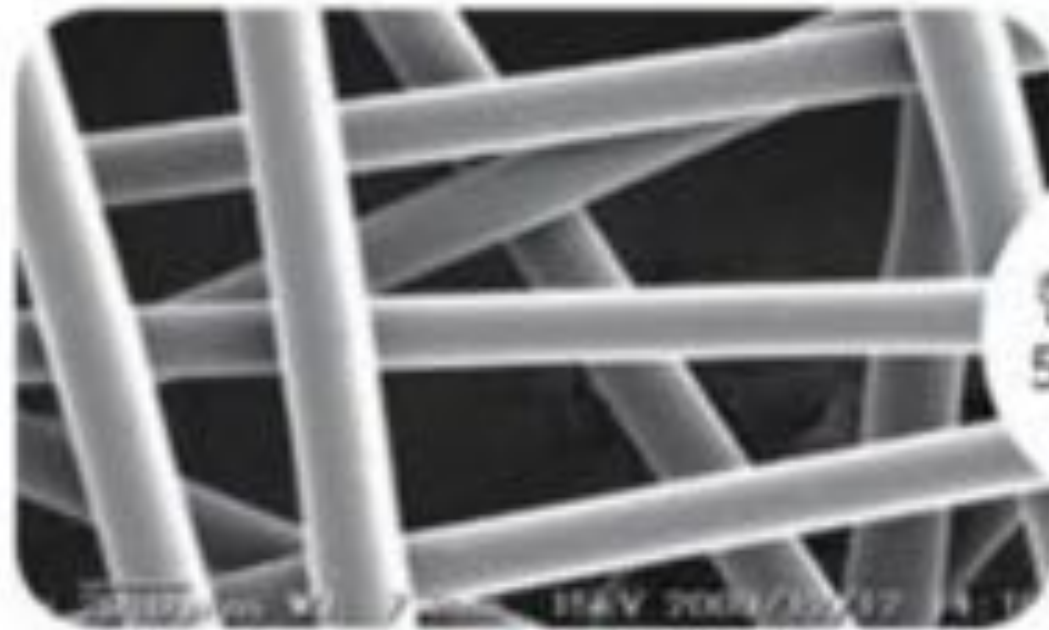
카드뮴, 납, 수은, 육가크로뮴, 이외 182개 항목
미검출

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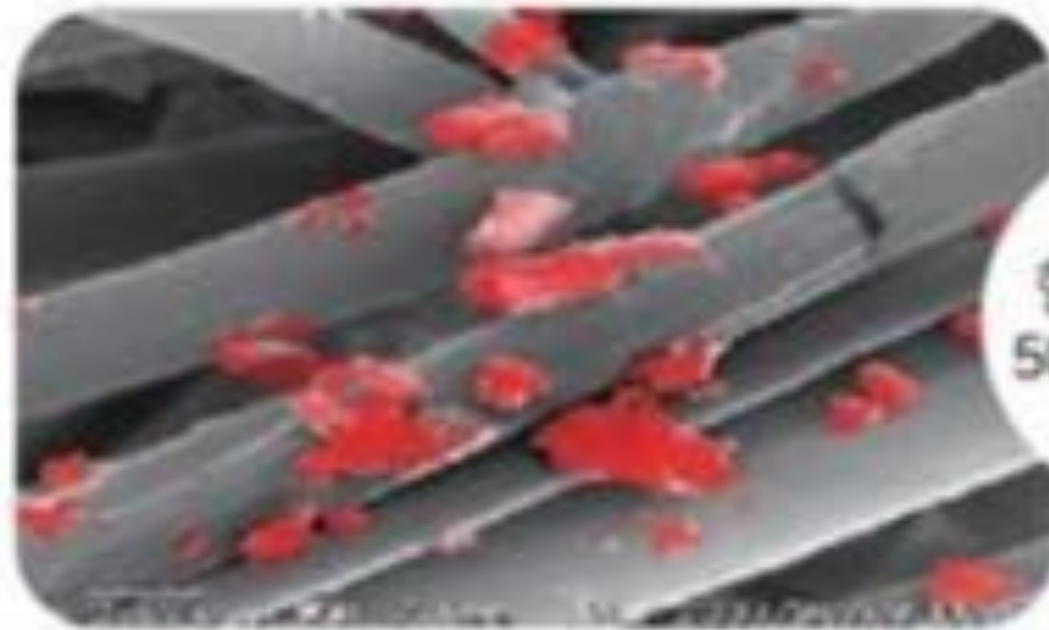
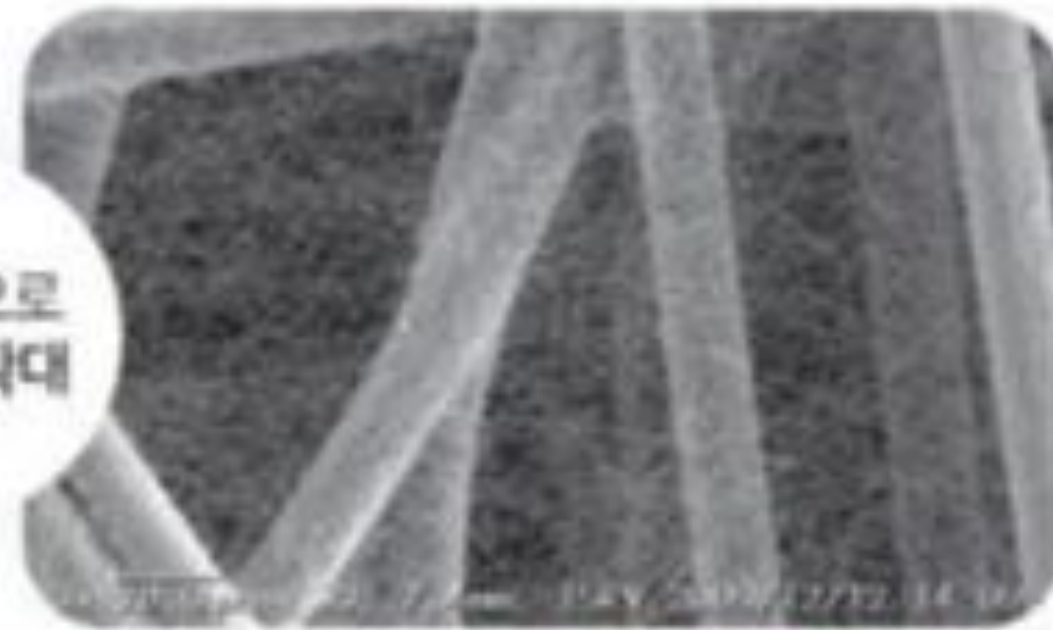
Novel Nano Membrane letting air in but other particles out for breathability



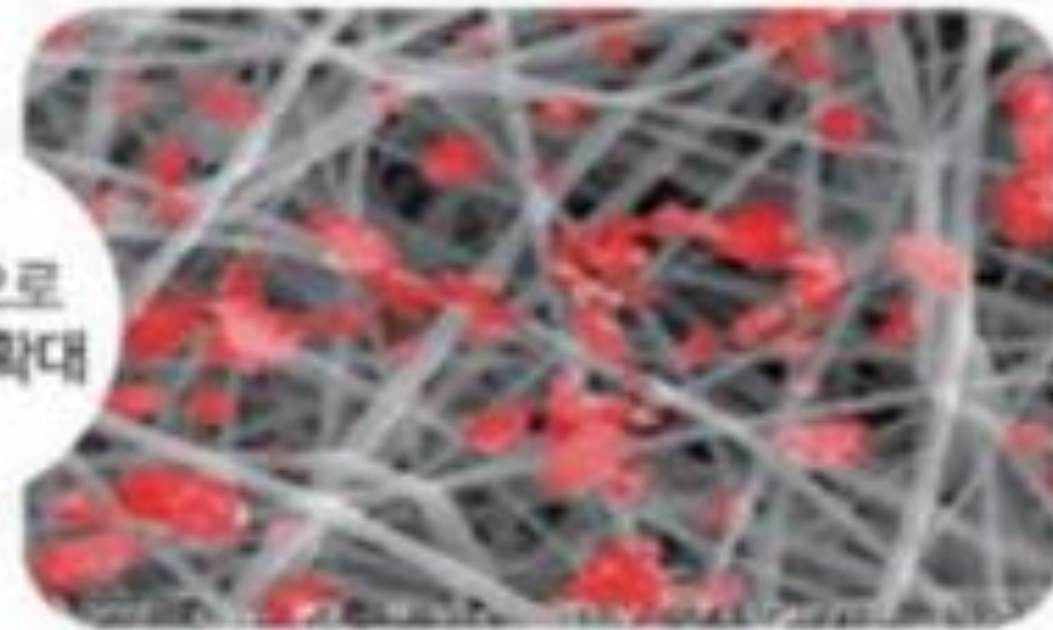
COMPARISON BETWEEN NANO FILTER AND REGULAR FILTERS
500 TIMES MICROSCOPIC ZOOM



현미경으로
500배 확대



현미경으로
5000배 확대



Comparison Chart (N95 VS KF94 VS Nanofilter Mask)

Comparative standard	N95	KF94	Nano Filter Mask
Country	USA	KOREA	KOREA
Filter performance - (must be ≥ 95% efficient)	≥ 95%	≥ 94%	≥ 99%
Test agent	NaCl	NaCl and paraffin oil	NaCl and paraffin oil
Flow rate	85 L/min	95 L/min	95 L/min
Total inward leakage (TIL) - tested on human subjects each performing exercises	N/A	≤ 8% leakage (arithmetic mean)	≤ 3.2% leakage (arithmetic mean)
Inhalation resistance - max pressure drop	≤ 343 Pa	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min)	≤ 70 Pa (at 30 L/min) ≤ 240 Pa (at 95 L/min)
Flow rate	85 L/min	Varied - see Above	Varied - see Above
Exhalation resistance - max pressure drop	≤ 245 Pa	≤ 300 Pa	N/A
Flow rate	85 L/min	180 L/min	N/A
Exhalation valve leakage requirement	Leak rate ≤ 30 mL/min	visual inspection after 300 L/min for 30 sec	N/A
Force applied	-245 Pa	N/A	N/A
CO2 clearance requirement	N/A	≤ 1%	≤ 1%

STATIC ELECTRICITY FILTERS

loses filterability once the mask is moist due to breathing.



AIR QUEEN NANO FIBER FILTERS

due to the dense nano fiber structure, maintains full effect





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PRODUCT : Nano Filter MASK

BRAND : AIR QUEEN (MADE IN KOREA)

MOQ : 1,000,000

CAPA : 100,000,000 / MONTH

CERTI : FDA, CE

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PRODUCTION & PRICING

**PRODUCTION CAPACITY:
3.5 MILLION MASKS PER DAY**

PRICE FOB & CIF AVAILABLE

**STOCK AVAILABLE:
ON REQUEST**



01. 화이트
Simple Is The Best!

02. 블랙
All Black Chic

