

c. List of all raw materials :

- HNS Fabric (Hybrid Non-Woven Sheet)
- Nano Membrane Filter : Nano Fiber + Micro Fiber

d. Technical Specification of the finished product :

- Attached

e. List of reference codes, sizes, colors, models and variance, whichever is applicable :

- Mask Weight : 4.38g
- Color : White
- HS Code : 6307 90 9000
- Size : Attached
- Box Size : 54cm (W) x 47cm (D) x 29cm (H)

2. CERTIFICATE of CONFORMITY :

- Attached : FDA, Tuv Approval, SGS Test Report, REACH, RoHS, HALAL CERTIFICATE

4. PICTURES of LABEL :

- Attached

5. Declaration of Shelf-life :

- 5years

- Business Area

F.A(Factory Automation)

NANO

Nano Equipment
Nano Separator

SOLAR

Nano Separator

Toptec's trustworthy and price competitive products raise the customers' competitiveness

Nano Separator

What is a separator?

It serves the role of providing a passage for the ion while blocking contact between the two electrodes and is located in between the electrodes.

Toptec's separator will be the next generation secondary cell separator most fit for electric automobiles and ESS with its high production, output, and stability.



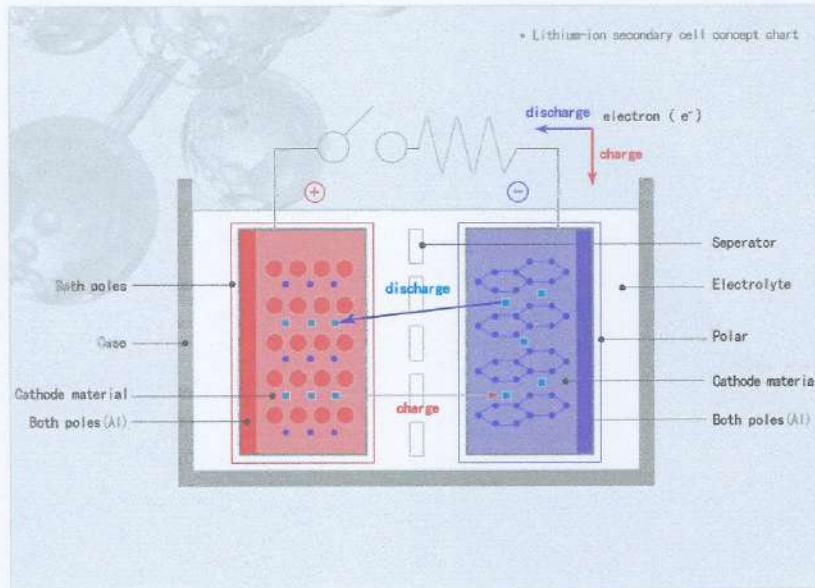
High production



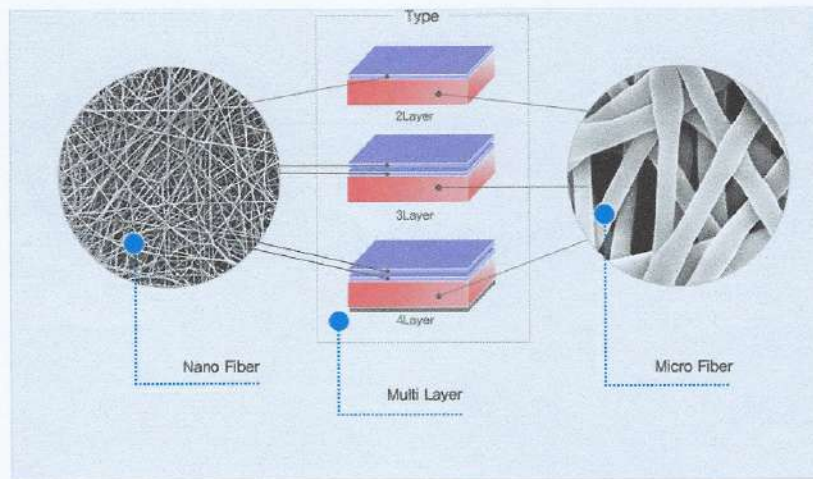
High output



Stability



Separator Concept



Separator characteristics

High output characteristic from high ion conductivity

- Achieving high output through internal resistance improvement from all opened pore and HNS nonwoven production technology (Nano fusion technology) that could control the pore sizes equally
- Outstanding electrolyte impregnation improvement
- Improvement in ion conductivity through electrolyte ability
- Realizing charge time shortening and high output with fast ion conduction

Outstanding thermal resistance that does not change in any environment

- Achieved melting down 252C which is the highest in the existing separators
- Under 1% thermal shrinkage rate from not being oriented
- Shut down : maintaining 132C which is the common separator standard

Achieved the longest lifespan in the industry

- Removed lifespan shortening factors from both poles dismantling by using chemically stable raw materials
- Removed any possibilities for dendrite creation with dozens of layers of Nano-fibers and high bending modulus



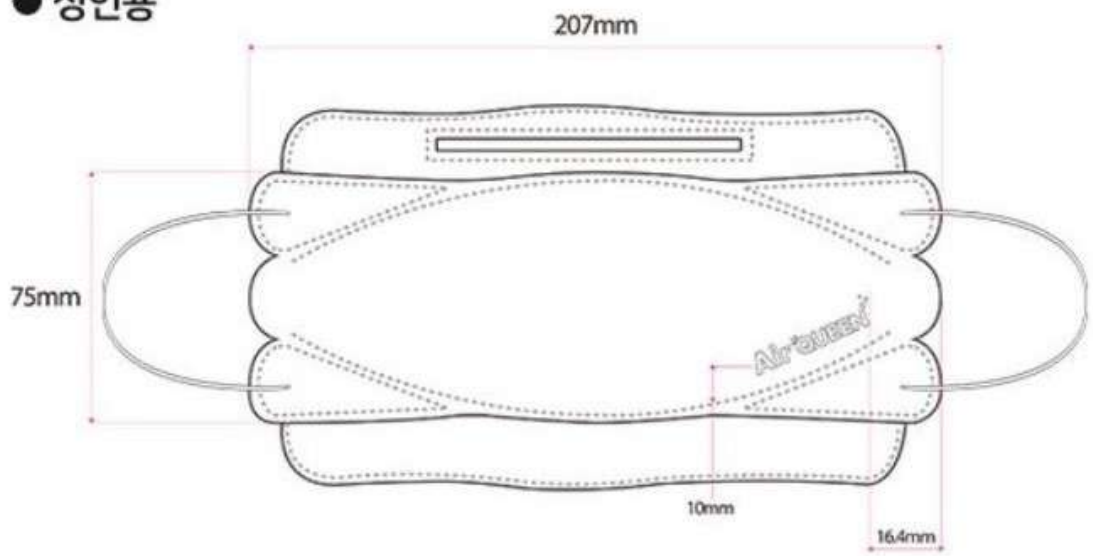
Contributing to increase in production and high capacity from shortening the electrolyte injection time

- Outstanding wettability through high microporosity (above 55%) and outstanding permeability.
- Energy high densification through thickness control and thin film technologies.
- Investment reduction and unit production increase following the Injection speed increase (above 30% compared to existing separators).



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● 성인용



*** TECHNICAL REQUIREMENTS**

1. DEVICE DESCRIPTION CONSISTING OF FOLLOWING

a. Intended use :

It prevents the droplets from spreading to the other during conversation between people and also prevents the other's droplets from invading me.

Masks should be kept in a closed, dense place, or in a place with many conversations.

In addition, if you have a health vulnerable class, patients with underlying disease, or respiratory symptoms,

Corona patient-related workers, frequent contact groups,

If you need to use indoor multi-use facilities,

Masks should always be worn when it is difficult to keep a distance of 2 m outdoors.

b. Instruction for use :

-When wearing a mask, first wash your hands thoroughly, cover your mouth and nose completely, and make sure there are no gaps between your face and the mask.

-Also, if a towel or tissue is used inside the mask, the adhesion will drop and the performance of the mask will deteriorate, so do not put on the pad, do not touch the mask while wearing it, but if you touch it, wash your hands thoroughly.

-If an abnormal reaction such as dyspnea, dizziness, or headache occurs due to wearing a mask, take off the mask in a separate space, take a rest, and then wear the mask again if symptoms are relieved.

-It is not recommended to wear a mask for infants under 24 months or those who have difficulty removing the mask on their own.

공신용

Air QUEEN 나노마스크

Nano mask
納米口罩
ナノマスク
Nano mask

NANOFIBER FILTER

- 알고 가세요
Trio and
Trio and
Trio and
- 나노파이버
Nanofiber
Nanofiber
Nanofiber
- 인체공학적
Ergonomic
Ergonomic
Ergonomic

에어퀸 나노

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공신용

Air QUEEN 나노마스크
WHITE

Nano mask
納米口罩
ナノマスク
Nano mask



NANOFIBER FILTER MASK

- 알고 가세요
Trio and
Trio and
Trio and
- 나노파이버 필터
Nanofiber filter
Nanofiber filter
Nanofiber filter
- 인체공학적 설계
Ergonomic design
Ergonomic design
Ergonomic design

에어퀸 나노마스크