CE Certificated, FFP2 Grade

AirQUEEN Breeze Mask

Powerful filtering, excellent permeability Introducing easy-to-breathe mask with exceptional filter!





MADE IN KOREA

Made with our own proud technology-AirQUEEN Breeze Mask

- Nanofiber Filter Manufactured by: LEMON Co., Ltd.
- Mask Manufacture & Distribution: TOPTECCo., Ltd.

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.

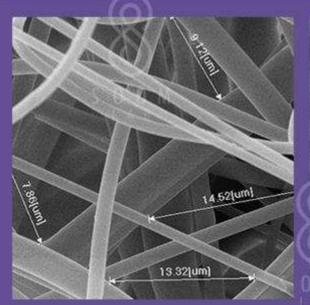


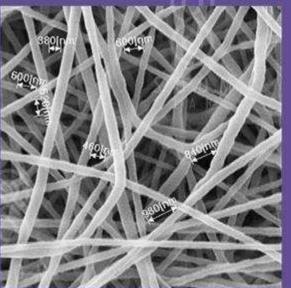
Nanofiber Filter

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

Melt-Blown Filter 5,000 times enlarged

The fiber is thick
Average space between the
fibers is over 10µm





Nanofiber Filter

15,000 times
enlarged

Very thin, nano thickness Average space between the fibers is 1.0µm, with self-filtering We asked professor Kim Iksu, the most renowned professor in the fiber research area.

What kind of material is Nanofiber?

The thickness of a nano fiber is only a thousandth of a strand of hair. Nanofiber is a material made by building these fibers sterically for a fishnet structure, and nanofiber of 85% processing rate has both permeability and blockability.

The Nanofibers of LEMON have consistent thickness and pore size. This means the ratio of the pores in the general area becomes very high, which is relevant to permeability.

Because it touches the nose and the mouth, this fiber is very appropriate for masks where permeability is important



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



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

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)

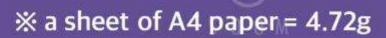
There is moisture in our respiratory system
If a mask has bad permeability, the moisture from within
cannot escape, which causes eczema

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

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

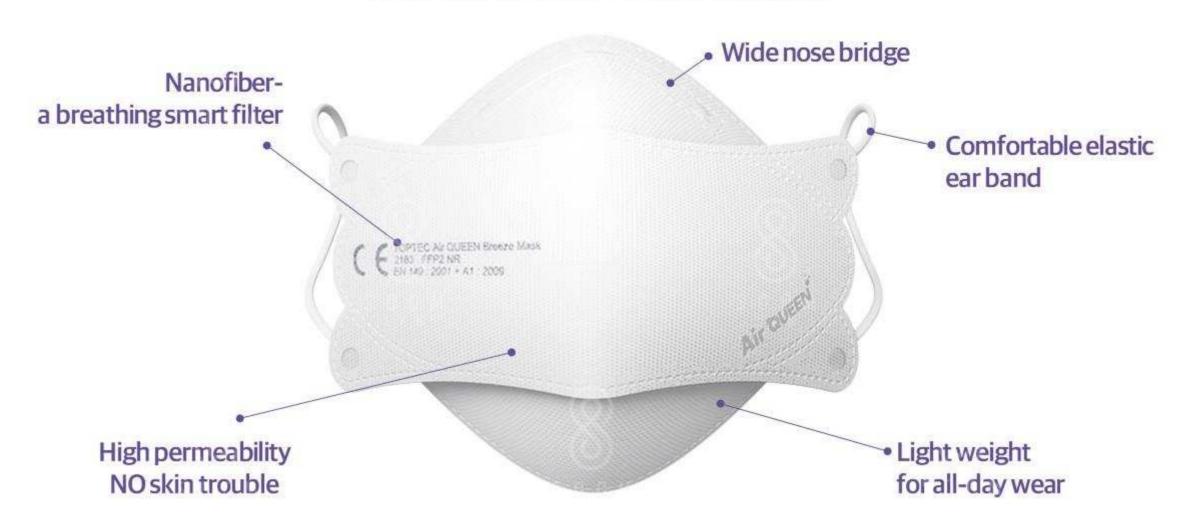
AirQUEEN Breeze mask 4.38g

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



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

Nose bridge prevents sliding or fogging up.









EUTYPE EXAMINATION CERTIFICATE

Cardifficate No. 2163, PPF, 1615

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TOPTEC CO., LTD.

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EN 149:2001 + A1:2009 Respiratory Protective Devices -Filtering Half Manks to Protect Against Particles -

Requirements, Testing, Marking

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Product Defaulting Breef Name: Air Quant Madet, Sterns West

Classifications FFF7 N/s.

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DOUGHTS

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Certificate No: 2163-PPE-1433

Respiratory protective devices, filtering half masks to protect against particles manufactured by

TOPTEC CO., LTD.

140-22, Cheomdangieop 5-ro, Sandong-myeon, Gumi-si, Gyeongsangbuk-do, Republic of Korea

are tested and evaluated according to

EN 149:2001 + A1:2009 Respiratory Protective Devices -Filtering Half Masks to Protect Against Particles -Requirements, Testing, Marking

Product Definition

Brand Name: Air Queen Model: Breeze Mask Filtering half mask Classification: FFP2 NR CE FFP2

AirQUEEN Breeze Mask is a FFP2 grade level mask that has officially been certified by European Commission



- Certificate No : 2163-PPE-1433
- Model Name: Air Queen / Breeze Mask FFP2 NR









FDA

AirQUEEN Breeze Mask is registered with FDA 510(k).





- Device Class: Class2
- 510(K) Number : K172500

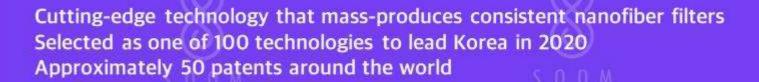




- Patent Registration no.: 10-1040055
- Name of Invention:
 An electrospinning device and an apparatus for manufacturing nanofiber

PATENT

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





Proven suitable for ISO 9001 quality management system The Nanofiber Filter of AirQUEEN Breeze Mask is produced in a clean and sanitary facility.



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.



Test Report No FERRISSIS F-CTSAYOA1E-00327 Issued Date 2018, 01-16. Face 1 of 17

TERRAR STANDARD STANDARD STANDARD

Quint-si, Qiyeonobuli

The following sample(s) was/were submitted and identified bylan behalf of the olient as if



Product Name

: Nano membrane (sanitary pad)

Barratan Cata

1 2018 01 59

Tast During Test Requested - 2018 O1 00 - 2018 O1 16 One hundred-Severny four (17%) substances in the Candidate Dat of Substances of Very High Concern (\$VHC) for authorization published by European Chemicals Agency ECHA) on July 7, 2017 regarding Regulation (EC) No. 1907/2006 concerning the

Eight (It) substances in the Public Consultation Dist of potential Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) on Sep 5, 2017 regarding Regulation (EC) his 1987/2006 concerning the REACH.

Test Method

Please refer to next saceral

Test Resultis

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According to the specified scope and evaluation screening, the test results of SVHC are \$ 0.1% ranks in the articles of the submitted sample

505 Korea Co., Ltd



Metal material and harmful compound not detected



Organic solvent and compound not detected SGS

The Nanofiber Filter of AirQUEEN Breeze Mask is approved by European SGS, REACH, and RoHS, and therefore is safe.



- Lead N/D
- Mercury N/D
- Hexavalent chromium N/D
- Other 182 categories N/D

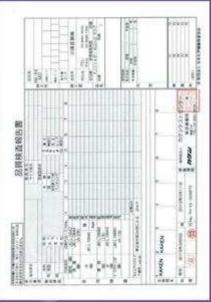






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KAKEN

Nanofiber filter is approved its safety by KAKEN which is Japanese Certification Authority.

Approved for safety by KAKEN TEST CENTER which is a Global Certification Authority evaluate a quality and a performance of textile products, household goods, and functional high-tech materials as an analyze center of JSTIIF.

confidential



This is an industrial product that passed the tests of KCL and is [currently in process] of being approved by the MFDS

Applied for the KF approval at the MFDS early April of 2020 after passing the test done by KCL, a testing institute designated by the MFDS.

It is manufactured with the same technology as Technoweb Disposable dustproof mask (KF94) from FTENE, the subsidiary company of TOPTEC, but if the manufacturer or brand is changed, the approval from the MFDS needs to be renewed, and until then, it cannot be publically distributed.

However, after the KF certification, 80% of the supply will be distributed as public, so there might be a shortage.



Sodium Chloride (NaCl) Aerosol Test Final Report

Study Number 1295785-501 Study Received Date 36 May 2000

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According to \$2 OFR Plat \$4.54, pretesting must be performed by all applicants as part of the application process with MODH. Results soon below we part of that posturing and must be submitted to and accepted by NIOSH for requestor approval

At the product property offsets and that "Resets and particular in transform and 18 WA have nanufacturing practice (SWP) regulations 21 CFR Plats 215, 211 and 820.







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NIOSH

AirQUEEN Breeze Mask has passed every conformity evaluation test for N95 and CE FFP2 certificates.

Filter efficiency meets all of the N95(NIOSH) and CE FFP2 performance as 96.03%~99.694% and it has been found to have excellent functions in inhalation resistance(under 35mmH2O strandard 8.2~8.8mmH2O) and exhalation resistance(under 25mmH2O 7.9~8.3mmH2O standard), making it a differentiated breathing convenience with the filter function of the mask.



Quality Indication According to Electric Products and Household Safety Law

Product: AirQUEEN Mask

· Manufactured in: Korea

Manufacturer: TOPTEC

Distributor: TOPTEC

Weight: 4.38g

Product Type: Mask

Expiry Date: 36 months

 Storage Directions: closed container, in room temperature (1~30°C)

 Entire Ingredients: felt (outer fabric, filter, inner fabric), plastic sheath wire, polypropylene ring, nylon strap



AirQUEEN Mask is an industrial product.

AirQUEEN Mask uses the Nanofiber Filter technology of LEMON and is manufactured by TOPTEC.

Currently, the MFDS approval is being processed, and when it is approved as sanitation mask, 80% of the product supply will be distributed as public distribution.



Masks are a must! Prepare in advance with AirQUEEN Breeze Mask!

SOOMLAB is a partner of LEMON that joint-developed the Hyper Purifying Breathing Mask which is SOOMLAB's unique brand that has exclusive sales right.

SOOMLAB is a primary sales company of AirQUEEN Breeze mask and authorized as a distributor by TOPTEC, a parent company of LEMON.

SOOMLAB and BOOSTERZ are in charge of marketing, distribution, and sales of AirQUEEN Breeze Mask.

[AirQUEEN Mask mass purchase inquiry]

Email: contact@soomlab.co.kr
Store: http://airqueenmask.com

