



AllergyGuard®

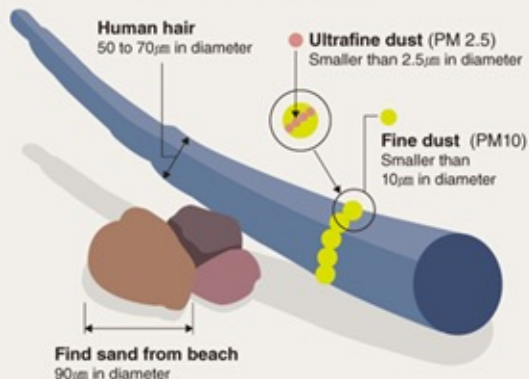
Window Screen

BMT Fibers
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New York, NY 10022-2774
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info@bmtfibers.com www.allergyguard.com
Since 1922

High Performance Nanofiber Screen

AllergyGuard®
Window Screen

Size of fine dust



Source: United States Environmental Protection Agency

HIGH STRENGTH 3-LAYER CONSTRUCTION

- Extremely high puncture resistance. / Over 4 times stronger than aluminum window screen.

PROPRIETARY 3-DIMENSIONAL NANOSCREEN® FILTRATION LAYER

- Filters the majority of Allergens, Pollen, Fine Dust, and many other unwanted airborne particles.

PRODUCED USING STATE-OF-THE-ART NANO ENGINEERING TECHNOLOGY

- For A Stronger, More Advanced Critical Filtration Media.

EXCELLENT FILTERING EFFICIENCY

- Blocks over 99% of pollen, preventing entry into the home, office and outdoor screen-enclosed spaces.

ULTRA-THIN / LIGHT-WEIGHT

- 25% Lower Weight and 50% Thinner Than A Standard Window Screen.

HIGH CORROSION RESISTANCE

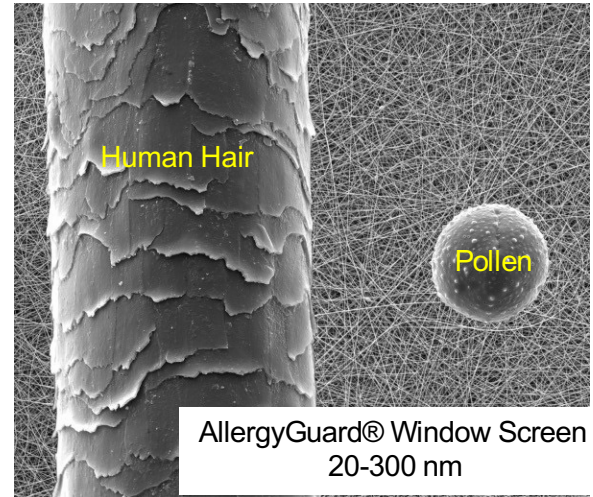
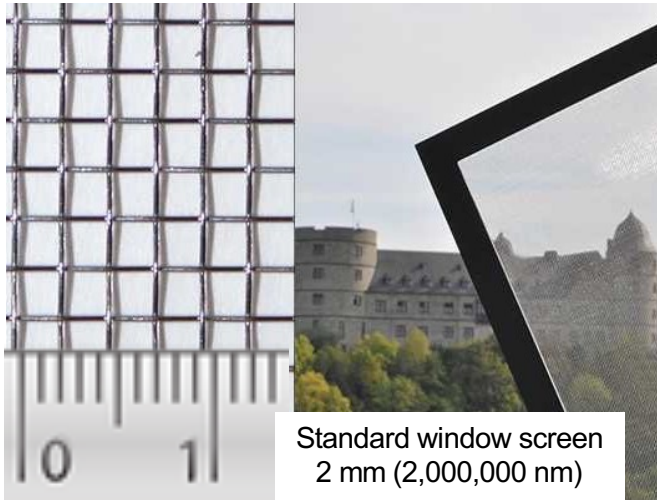
- Against Both Environmental Contaminants and UV Light.

BLOCKS 95% OF RAIN AND WATER SPRAY

- Blocks Rain and Sprinkler Spray / Prevents leakage into home & office.

EASY CLEANING

- Just Use Gentle Water Spray or Soft Rag & Water / No soap required.



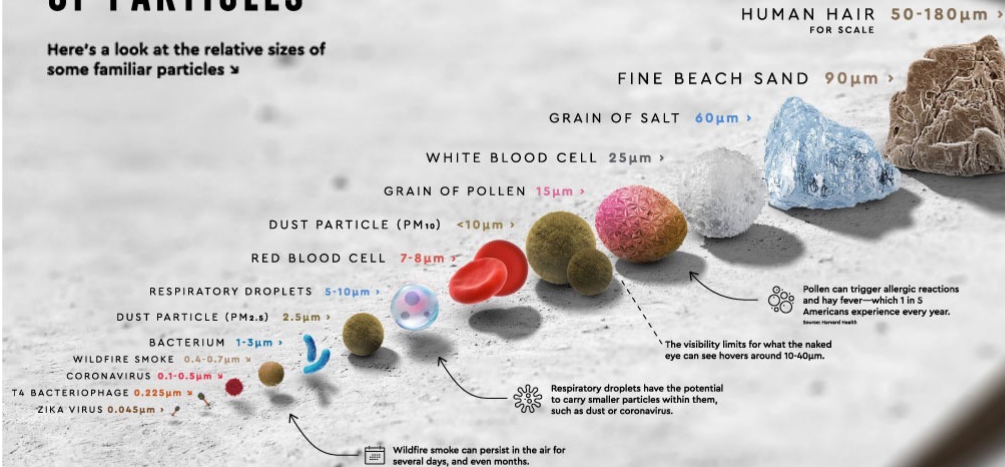
AllergyGuard® Window Screen will filter fine dust (1000 nm) and ultrafine dust (250 nm).

Superior Filtration Properties

AllergyGuard®
Window Screen

THE RELATIVE SIZE OF PARTICLES

Here's a look at the relative sizes of some familiar particles »



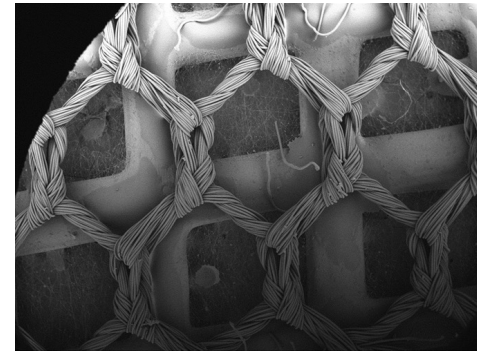
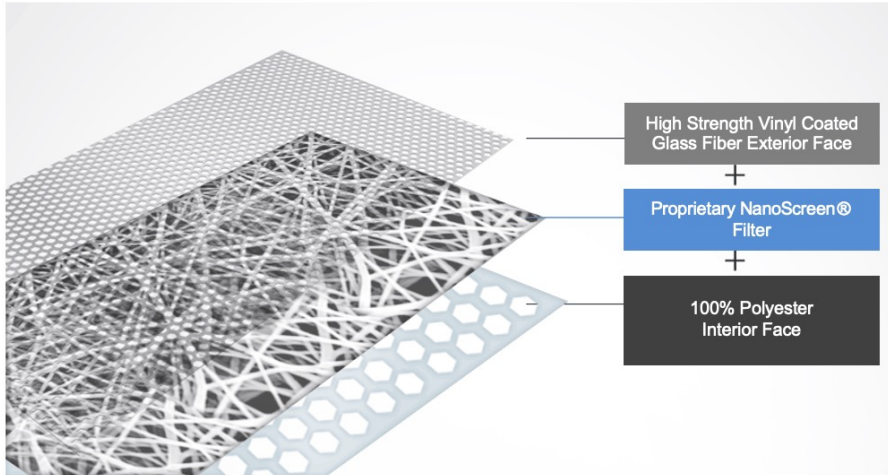
SOURCES: Clearstream, Dörwin Lowenberg EPA, Financial Times, News Medical, Science Direct, SCRS Susan Sokolowski, Petruszewska, US Dept. of Energy
COLLABORATORS: RESEARCH + INNOVATION, Current.org, Near-Drizzle 1 DESIGN + ART DIRECTION: Harrison School



visualcapitalist visualcapitalist visualcapitalist visualcapitalist

AllergyGuard® 3-Layer Technology

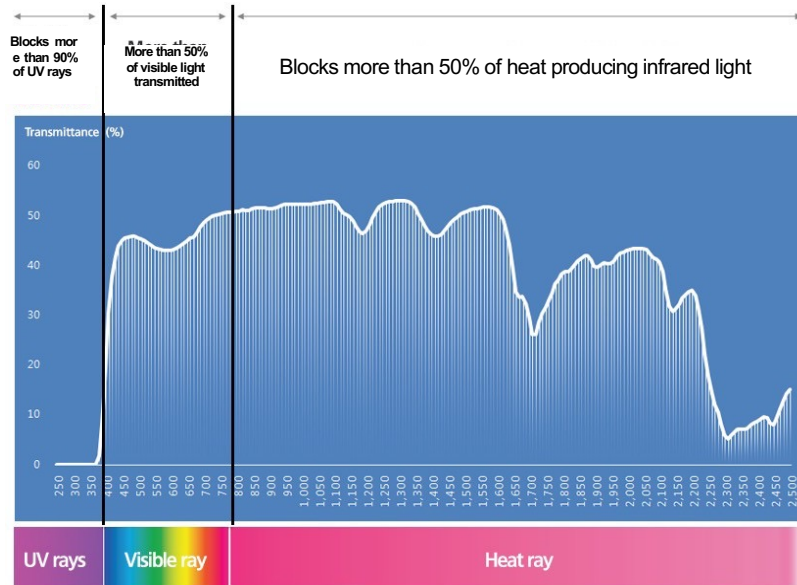
AllergyGuard®
Window Screen



2017-05-24

L x60 1 mm

UV Protection



Dust-Spot Efficiency: AllergyGuard® vs. Competitor



TEST REPORT



REPORT NO. : T271-18-01984
SAMPLE RECEIVED DATE : 2018-04-19
TEST STARTED DATE : 2018-04-19
REPORT ISSUED DATE : 2018-04-26
PAGE : 1 OF 1

DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE SCREEN.

ITEM

BMT ALLERGYGUARD

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

01. WEIGHT ARRESTANCE (ASHRAE STANDARD 52.1, SYNTHETIC DUST WEIGHT ARRESTANCE) : %

#1
88.7

NOTE) TEST AIR FLOW : 1.0 m/s
FINAL RESISTANCE : 76 mmAq

02. AIR PERMEABILITY (JIS L 1096 : 2010, TESTER METHOD A) : cfm/ft²

#1
326.0

NOTE) TEST AREA : 38 cft
PRESSURE DROP : 125 Pa

** End of The Report **

PREPARED AND CHECKED BY
FOR FITI

Kim Jong Bum

JONG BUM, KIM
QUALITY MANAGER

AUTHORIZED BY
FOR FITI

Kyung Yoon Son

KYUNG-YOON SON
PRESIDENT

■ Report Verification No.: 223-TSFZ-1EAX ■

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

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The test results contained in this report are limited to results on the sample(s) that is provided by client and are not necessarily indicative or representative of the quality of the filter from which the sample(s) was taken or of all products. Results contained in this report are not based on the quality certification of sample by the FITI quality certification program unless specifically requested by the client. Further use of the results of this report is prohibited unless allowed under a separate agreement set forth in an official document that is established between the client certified on this letter and the FITI.



TEST REPORT



REPORT NO. : T271-18-02672
SAMPLE RECEIVED DATE : 2018-06-07
TEST STARTED DATE : 2018-06-07
REPORT ISSUED DATE : 2018-06-22
PAGE : 1 OF 1

DESCRIPTION : ONE(1) PIECE OF SUBMITTED CUTTING SAID TO BE MESH.

ITEM

POLLEN TEC

TEST CONDUCTED : AS REQUESTED BY THE APPLICANT, FOR DETAILS PLEASE SEE ATTACHED PAGES.

01. WEIGHT ARRESTANCE (ASHRAE STANDARD 52.1, SYNTHETIC DUST WEIGHT ARRESTANCE) : %

#1
49.4

NOTE) TEST CONDITION : TEST AIR FLOW 1.0 m/s, FINAL RESISTANCE 76 mmAq.
THIS STANDARD TEST METHOD WAS APPLIED BY THE CLIENT'S REQUEST.

** End of The Report **

PREPARED AND CHECKED BY
FOR FITI

Kim Jong Bum

JONG BUM, KIM
QUALITY MANAGER

AUTHORIZED BY
FOR FITI

Jun Se Goo

JE-GOO JUN
PRESIDENT

■ Report Verification No.: M6A3-RBGR-SEZD ■

(You can see the authenticity of your test report through the above "Report Verification No." at FITI homepage.)

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Filtration Efficiency of Pollen Particles: AllergyGuard®

KAKEN

Kaken Test Center GENERAL INCORPORATED FOUNDATION

2-5-19, Ebitori, Nishi-ku, Osaka 550-0002 Japan
Tel: +81-(0)6-6441-0315, Fax: +81-(0)6-6441-2420

Kaken Test Center is formerly named as "Japan Synthetic Textile Inspection Institute Foundation(JSTIIF)".

Certificate No. : QS-17-043339(1)
(82171201127389)

No. 1/2

Date : October 5, 2017

TEST CERTIFICATE

Test Samples : WINDOW SHIELD 1 Sample
Test Items : Evaluation of the Filtration Efficiency of Sanitary Face Mask Materials,
Using Pollen grains
Received : October 2, 2017

This is to certify that the results of laboratory test applied on the sample are as follows:

1. Test Results

Test Item	Test Results
Filtration Efficiency of Pollen grains (%)	1 97.1
	2 95.9
	3 97.7
	Average 96.9

96.9

Kaken Test Center General Incorporated Foundation
Osaka Laboratories

Inspector :


T. Oida

(To be continued on No.2/2)

Kaken Test Center
GENERAL INCORPORATED FOUNDATION
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Thank you!

AllergyGuard®
Window Screen

If Your Health & Wellness is the Priority,
Accept No Substitute