

The logo for HS1 Limited, featuring a stylized 'H' and 'S' in grey and yellow, followed by the number '1' in yellow, and the word 'LIMITED' in grey below it.

HS1
LIMITED

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WYNDHAM STREET CENTRAL, HONG KONG

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An aerial photograph of a dense urban skyline in Hong Kong, featuring numerous high-rise buildings and a prominent mountain in the background under a clear blue sky.

一次性平面口罩使用手冊

DISPOSAL FACE MASK PRODUCT MANUAL

ABOUT THE COMPANY



YEARS OF PRODUCTION EXPERIENCE

R & D AND MANUFACTURE OF
HIGH - EFFICIENCY MELTBLOW
CLOTH AND ENVIRONMENTAL
SOUND - ABSORBING COTTON



DUST - FREE WORKSHOP

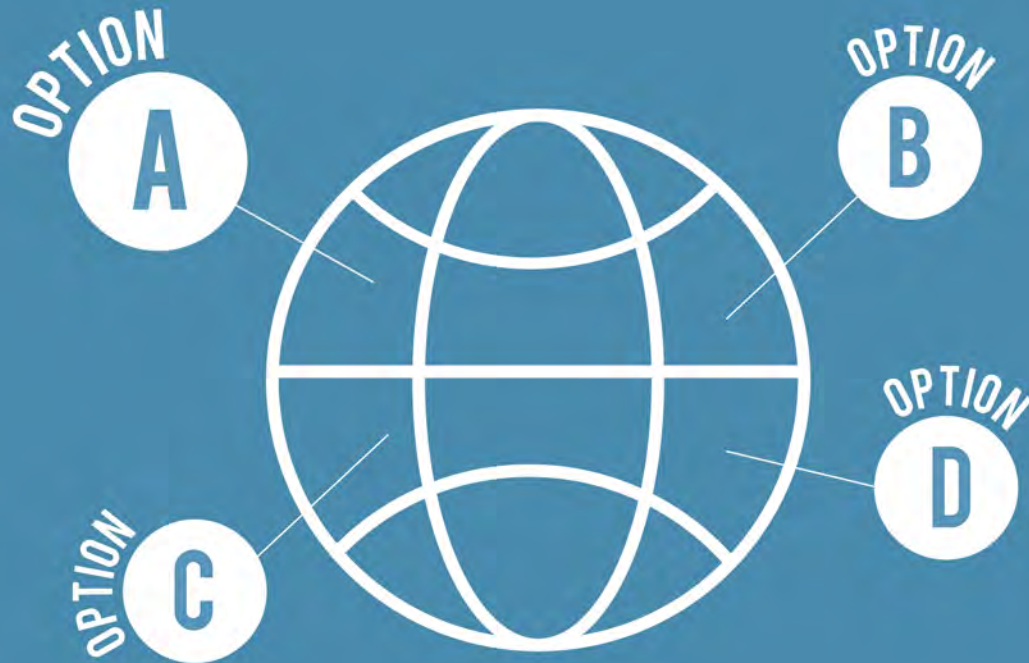
DUST - FREE PURIFICATION
WORKSHOP TO ENSURE PRODUCT
QUALITY TO ENSURE THAT
PRODUCTS MEET HIGH QUALITY
STANDARDS AND
SAFETY STANDARDS



100% AFTER SALES SERVICE

PROVIDE HIGH - QUALITY,
EFFICIENT, LOW - CONSUMPTION,
AND DURABLE PRODUCTS TO
CUSTOMERS WORLDWIDE





IN THE ACTUAL MARKET, FOR THE
FFP2 MASKS

THERE ARE DIFFERENT TYPES OF DIFFERENT
QUALITY, WE CAN NAME THEM AS:

- **OPTION A** -
- **OPTION B** -
- **OPTION C** -
- **OPTION D** -

THEY ARE CATEGORIZED BY THE QUANTITY OF THE “MELTBLOWN NON-WOVEN” THEY HAVE, WHICH IS THE MAIN INGREDIENT OF THE FFP2 MASK. THE THICKER IS THE LAYER OF “MELTBLOWN NON-WOVEN” IN THE MASK, BETTER THE QUALITY OF THE MASK IS. THE LAYERS OF THESE FFP2 MASKS ARE MADE OF MELTBLOWN NON-WOVEN, WATERPROOF NON-WOVEN, PP FILTER SPUNBOND, SKIN-FRIENDLY NON-WOVEN.

SO WHAT IS MELTBLOWNON-WOVEN?

MELTBLOWNON-WOVEN IS THE CORE MATERIAL OF MASKS. MELTBLOWN CLOTH USUALLY USES POLYPROPYLENE AS THE MAIN RAW MATERIAL. THE FIBER DIAMETER CAN REACH 1 TO 5 MICRONS. THERE ARE MANY VOIDS, FLUFFY STRUCTURE AND GOOD ANTI-WRINKLE ABILITY. ULTRAFINE FIBERS WITH UNIQUE CAPILLARY STRUCTURE INCREASE THE NUMBER AND SURFACE AREA OF FIBERS PER UNIT AREA, SO THAT THE MELTBLOWNON-WOVEN LAYER HAS GOOD FILTERABILITY, SHIELDING, HEAT INSULATION AND OIL ABSORPTION. THE MELT BLOWING IS A TECHNOLOGY USES NOWADAYS IN THE AREA OF NON-WOVEN, WHERE A POLYMER MELT IS EXTRUDED THROUGH SMALL NOZZLES SURROUNDED BY HIGH SPEED BLOWING GAS.

THE MAIN CHARACTERISTIC OF MELTBLOWNON-WOVEN ARE:

- RANDOM FIBER ORIENTATION
- LOWER TO MODERATE WEB STRENGTH, DERIVING STRENGTH FROM MECHANICAL ENTANGLEMENT AND FRICTIONAL FORCES
- GENERALLY HIGH OPACITY (HAVING A HIGH COVER FACTOR)
- FIBER DIAMETER RANGES FROM 0.5 TO 30 μM , BUT TYPICALLY FROM 2-7 μM [6]
- BASIS WEIGHT RANGES FROM 8-350 G/M², BUT TYPICALLY 20-200 G/M²
- MICROFIBERS PROVIDE A HIGH SURFACE AREA FOR GOOD INSULATION AND FILTRATION CHARACTERISTIC
- MOST MELT-BLOWN WEBS ARE LAYERED OR SHINGLED IN STRUCTURE, THE NUMBER OF LAYERS INCREASES WITH BASIS WEIGHT.

ALL THESE CHARACTERISTICS MAKE IT THE IDEAL MATERIAL FOR GOOD HYGIENE PRODUCTS JUST LIKE THE FFP2. IN OTHER WORDS, THE MOST OF THIS MATERIAL THE MASK CONTAIN THE BETTER THE PRODUCT IS.

— WHAT IS WATERPROOF NON-WOVEN?

WE ALL KNOW THAT ONCE THE MASK GOT WET, THE VIRUS AND OTHER MICRO PARTICLE CAN PENETRATE TO THE OTHER SIDE OF THE MASK, SO HAVING A LAYER WHICH CAN RESIST THE WATER IS NECESSARY. WATERPROOF NON-WOVEN FABRIC IS A NEW TYPE OF TEXTILE FABRIC. IT IS MADE OF POLYMER WATERPROOF BREATHABLE MATERIAL (PTFE MEMBRANE) PLUS NON-WOVEN FABRIC. THE MAIN FUNCTIONS OF WATERPROOF AND BREATHABLE FABRICS ARE: WATERPROOF, MOISTURE-PERMEABLE, BREATHABLE, AND INSULATING.

— WHAT IS PP FILTER SPUNBOND?

PP FILTER SPUNBOND IS MAINLY FORMED BY POLYPROPYLENE STRETCHED UNDER HIGH TEMPERATURE AND THEN BECOME A NON-WOVEN FABRIC, CAUSE HIS GOOD FILTRATION PERFORMANCE AND HIS NON-TOXIC CHARACTERISTICS IS WILDLY USE IN HYGIENE PRODUCTS SUCH AS MASK, PROTECTIVE SUIT, AND FILTERS FOR CIGARETTES.

— WHAT IS SKIN-FRIENDLY NON-WOVEN?

SKIN-FRIENDLY NON-WOVEN IS MAINLY MADE OF ES, ES NON-WOVEN FABRIC IS ONE OF THE HOT AIR BONDED NON-WOVEN FABRICS. THE MATERIAL ES IS AN IDEAL HOT-ADHESIVE FIBER. IT HAS HIGH FLUFFINESS, GOOD ELASTICITY, SOFT FEEL, STRONG WARMTH, AND GOOD BREATHABILITY. USUALLY USED IN THE FFP2 AND N95 MASKS, IT CAN IMPROVE THE COMFORT OF THE MASK, HEAT INSULATION, MOISTURE AND MOISTURE RESISTANCE.

EARLOOP FOLDING PROTECTIVE MASK



EARLOOP FOLDING PROTECTIVE MASK

OPTION

A



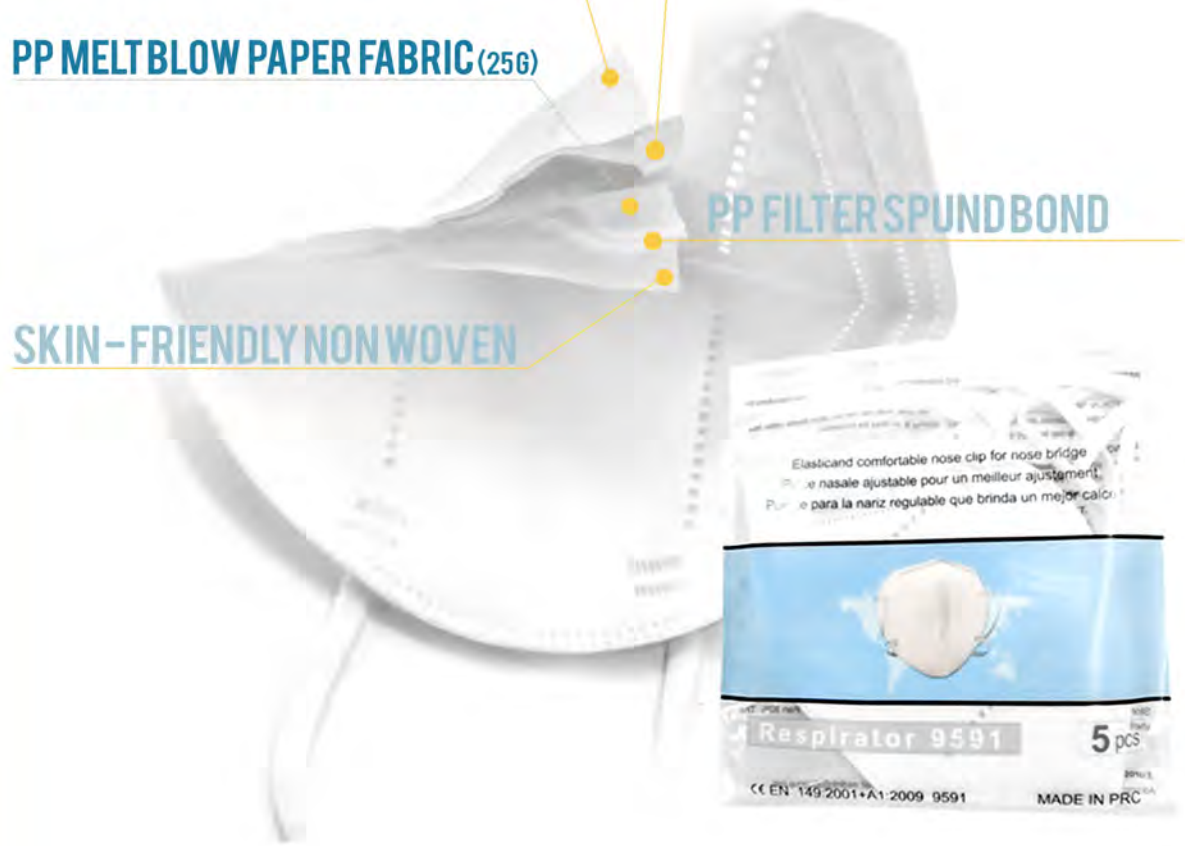
WATERPROOF NON WOVEN

PP MELT BLOW PAPER FABRIC (25G)

PP MELT BLOW PAPER FABRIC (25G)

PP FILTER SPUNDBOND

SKIN-FRIENDLY NON WOVEN



EARLOOP FOLDING PROTECTIVE MASK

OPTION

B



WATERPROOF NON WOVEN

PP MELTBLOWN PAPER FABRIC (20G)

SKIN-FRIENDLY NON WOVEN

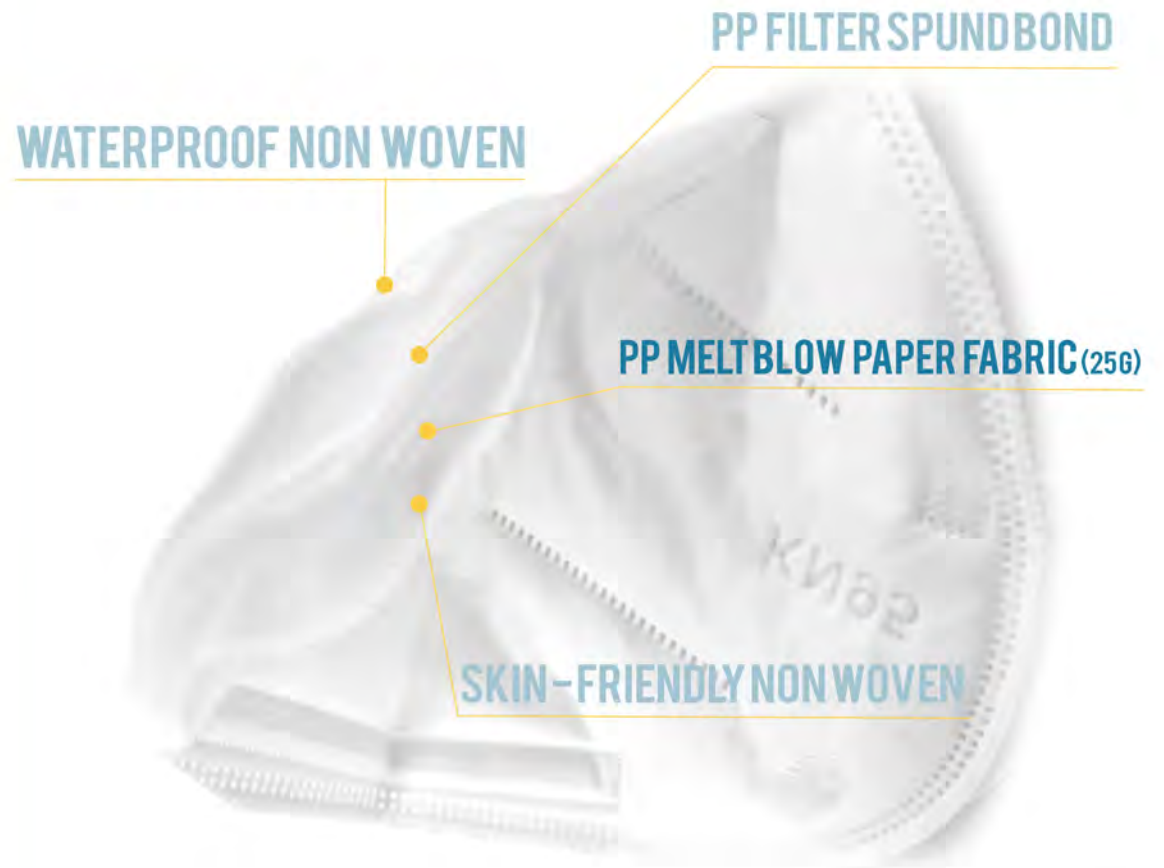
PP MELTBLOWN PAPER FABRIC (20G)



EARLOOP FOLDING PROTECTIVE MASK

OPTION

C



DISPOSAL FACE MASK



DISPOSAL FACE MASK



一次性平面口罩 Disposal Face Mask

主要材料 Main raw materials	无纺布、BFE99熔喷布 Non-woven fabrics, BFE99filter fabrics
尺寸 Size	175mm×90mm
执行标准 Executive standard	T/CTCA7-2019 EN149:2001+A1:2009
包装 Packaging	50PCS/盒
保质期 Expiration Date	3 years
细菌过滤率 Bacteria Filtration Efficiency	≥95%



	尺寸 Size	数量 Number	重量 Weight
内盒 Inside Packaing	190mm×100mm×90mm	50PCS/Boxes	
外箱 Outside Packaing	525mm×400mm×385mm	40Boxes/Cases	9.35kg

HERE ARE OUR PROPOSALS

MASK KN95 WITH TEST  AND IN PROCESS FOR THE  CERTIFICATION

1



MASK FFP2 WITH  CERTIFICATION

2



3 LAYERS DISPOSABLE MEDICAL MASK WITH  CERTIFICATION

3



3 LAYERS DISPOSABLE CIVIL MASK

4



MASK FFP2 WITH CE CERTIFICATION

End of Annex A

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N95口罩CE认证报告



Module B EU Type-Examination Certificate

For the requirements of PPE Regulation 2016/425

Certificate No.: 2020-02-17-0001

Certificate holder: *[Redacted]*

Product: **Filtering half mask**
Detailed product description listed in the Annex

Model(s): ST-A9502

Standard(s): EN149:2001+A1:2009 Respiratory protective devices – Filtering half masks to protect against particles.

Issue date: 2020-02-17

Revision date: 2020-02-17

Expiry date: 2024-09-04

The product(s) on this certificate and the Technical File have been assessed and found to be in conformance with the applicable Essential Health and Safety Requirements in Annex II of the PPE regulation 2016/425.
Any changes to the design, manufacturing location or manufacture of the PPE product certified here must be advised to CCQS Certification Services Limited for review.
CE marking shall not be applied until the requirements of all the PPE Regulation 2016/425 and relevant EN Harmonised standards and/or Technical specifications have been met.
If the certified product is Category III then this certificate is only valid if used in conjunction with Conformity Assessment against Module C2 or Module D.
This certificate remains the property of CCQS and may be withdrawn at any time if it is considered that the equipment is no longer in conformity with the requirements of the PPE Regulation 2016/425.



Approved by Ireland
Government
as a Notified Body
for CE Marking No.2834



CCQS Certification Services Limited

Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15,
D15 AKK1, Ireland

Tel: +00 353 1 588 6500 Website: www.ccqs.co.uk E-mail: info@ccqs.ie
If in any doubt about the integrity of this certificate, please contact CCQS by email to verify.

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Module B EU Type-Examination Certificate

Annex

For the requirements of PPE Regulation 2016/425

Certificate No.: 2020-02-17-0001

Applicable standards and specification:
EN149:2001+A1:2009 Respiratory protective devices – Filtering half masks to protect against particles.

Model reference	Product description
ST-A9502	Folding particle filtering facepiece with exhalation valve Class FFP 2 NR Test Report No.: 2018-W-030

Certificate Revision	Revision details	Revision date
A	Initial issue	2020-02-17



CCQS Certification Services Limited

Block 1 Blanchardstown Corporate Park, Ballycoolin Road, Blanchardstown, Dublin 15,
D15 AKK1, Ireland

Tel: +00 353 1 588 6500 Website: www.ccqs.co.uk E-mail: info@ccqs.ie
If in any doubt about the integrity of this certificate, please contact CCQS by email to verify.

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3 LAYERS DISPOSABLE MEDICAL MASK WITH CE CERTIFICATION



TÜVRheinland

EC Certificate
Directive 93/42/EEC Annex V
Production Quality Assurance
Medical Devices

Registration No.: DD 60131858 0001

Report No.: 15085898 004

Manufacturer:
Hubei Hengchang Protection Products Co., Ltd.
Shennongjia Road, Xiangyang City, Hubei, China

Products: Medical Devices
(see attachment for products and additional site included)
Replaces Approval, Registration No: DD 60104371 0001

Expiry Date: 2023-10-22

The Notified Body hereby declares that the requirements of Annex V of the directive 93/42/EEC have been met for the listed products. The above named manufacturer has established and applies a quality assurance system, which is subject to periodic surveillance, defined by Annex V, section 4 of the aforementioned directive. For placing on the market of class IIb and class III devices covered by this certificate an EC type-examination certificate according to Annex III is required.


Effective Date: 2018-12-04

Date: 2018-12-04



Notified Body
TÜVRheinland
Herbert ZHANG

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
TÜV Rheinland LGA Products GmbH is a Notified Body according to Directive 93/42/EEC concerning medical devices with the identification number 0197.



TÜVRheinland

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

Doc. 1/1, Rev. 0


Attachment to Certificate
Registration No.: DD 60131858 0001
Report No.: 15085898 004

Manufacturer:
Hubei Hengchang Protection Products Co., Ltd.
Shennongjia Road, Xiangyang City, Hubei, China

Aspects of manufacture concerned with securing and maintaining sterile conditions of Medical Non-woven Masks, Medical Non-woven Gowns, Medical Coveralls

Site included:
Jiandi Village, Huchang Town, Xiantao City, Hubei, China

Date: 2018-12-04



Notified Body
TÜVRheinland
Herbert ZHANG



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