

FFP2 Fabric face masks single use

Maschere in tessuto monouso



SCHEMA TECNICA:

Fabric face masks; single-use respiratory protection.

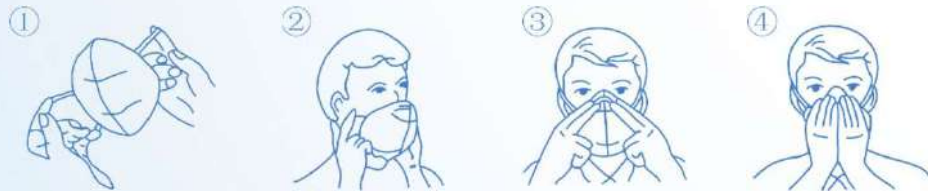
For use against solid and liquid aerosols only.

Protection level indicator: FFP2: low-to-average toxicity solid and liquid aerosols.

Mascherine in tessuto per protezione respiratoria monouso.

Da utilizzare solo contro particelle solide e liquide.

Indicatore di livello di protezione: FFP2: particelle solide e liquide a bassa-media tossicità.



MODEL: CTPL-0020

EAN: 4895232701933



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CERTIFICAZIONI

SGS
Certificate F120/966185

Connexions Technology(Dong Guan) LTD.
No.6, Shenzao Road, Qishi Town,
DongGuan,
GuangDong,
China.

It is certified that the manufacturer's technical file and the PPE product detailed on page 2 have been assessed and found to be in accordance with

Regulation (EU) 2016/425
Module B, EU type-examination

This certificate is valid from 22 July 2020 until 22 July 2025
1. Certified since 22 July 2020

Authorized by

FINAS
Finnish Accreditation Service
5003 (EN ISO/IEC 17065)

SGS FIMKO OY, Notified Body 0598
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 **SGS** 

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SGS
Certificate F120/966185, continued

Connexions Technology(Dong Guan) LTD.

Regulation (EU) 2016/425
Module B, EU type-examination

Issue 1

PPE Product

CTC (logo) CTPL-0020 white folded half mask, consisting of a white five layer (polypropylene/ polypropylene/ polypropylene & hot air cotton/polyester & polyethylene/ polypropylene) disposable particle filtering half mask, with nose clip, and nylon/spandex ear band.

It is certified that the manufacturer's technical file and the above mentioned PPE have been assessed and found to meet the applicable Essential Health and Safety Requirements in Annex II of Regulation (EU) 2016/425 Personal Protective Equipment

The following have been applied:
EN 149:2001+A1:2009 (Respiratory protective devices - filtering half masks to protect against particles) device classification: FFP2 NR.

This certificate is issued on the strict condition that appropriate checks on manufactured PPE, as detailed in Article 19 (c) of the Regulation are implemented and maintained while the model is in production

Certification is based on technical file reference:
Face mask/ CTPL-0020, version 2 dated: 2020-07-21.

SGS Reference Number UKICRS 241352.

This certificate remains the property of SGS Fimko Oy Ltd to whom it must be returned on request.

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中国认可
国际互认
检测
TESTING
CNAS L0599

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CONNEXIONS TECHNOLOGY (DONG GUAN) LTD
NO. 6, SHENBAO ROAD, QISHI TOWN, DONGGUAN CITY, GUANGDONG PROVINCE

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description : (A) Face mask
Style No. : CTPL-0020
Composition : (A) Non-woven fabric, melt-blown fabric, hot air cotton
Sample Color : (A) WHITE
Manufacturer : CONNEXIONS TECHNOLOGY (DONG GUAN) LTD
Country of Destination : Global
Supplier : CONNEXIONS TECHNOLOGY (DONG GUAN) LTD

Test Performed : Selected test(s) as requested by applicant

Sample Receiving Date : Apr 28, 2020
Testing Period : Apr 29, 2020 - Jun 08, 2020
Test Result(s) : Unless otherwise stated the results shown in this test report refer only to the sample(s) tested, for further details, please refer to the following page(s).

Conclusion:

Sample No.	Recommendation Level
(A)	FFP2 NR

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd Testing Center

Sara Guo

Sara Guo (Account Executive)



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Test Result

Respiratory Protective Devices — Filtering Half Masks to Protect against Particles — Requirements, Testing, Marking
(EN 149:2001+A1:2009)

Clause 7.4 Packaging
(EN 149:2001+A1:2009 Clause 8.2)

Test Requirement	Results	Comment
Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.	Comply	Pass

Clause 7.5 Material
(EN 149:2001+A1:2009, Clause 8.2 & 8.3.1 & 8.3.2)

Test Requirement	Results	Comment
Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.	Comply	Pass
After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	Comply	
When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.	Comply	
Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.	Comply	

Clause 7.6 Cleaning and Disinfecting
(EN 149:2001+A1:2009, Clause 8.4 & 8.5 & 8.11)

Test Requirement	Results	Comment
If the particle filtering half mask is designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer. With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration requirement of the relevant class.	Not applicable (Not designed to be re-usable)	N.A.

Clause 7.7 Practical Performance
(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The particle filtering half mask shall undergo practical performance tests under realistic conditions. These general tests serve the purpose of checking the equipment for imperfections that cannot be determined by the tests described elsewhere in this standard.	No imperfections	Pass



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Clause 7.8 Finish of Parts (EN 149:2001+A1:2009, Clause 8.2)

Test Requirement	Results	Comment
Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.	No sharp edges or burrs	Pass

Clause 7.9.1 Total Inward Leakage (EN 149:2001+A1:2009, Clause 8.5)

Test Requirement	Results	Comment
The total inward leakage consists of three components: face seal leakage, exhalation valve leakage(if exhalation valve fitted) and filter penetration. For particle filtering half masks fitted in accordance with the manufacturer's information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than: 25% for FFP1, 11% for FFP2, 5% for FFP3 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22% for FFP1, 8% for FFP2, 2% for FFP3	Detail refer to Appendix 1	Meet FFP1, Meet FFP2

Appendix 1: Summarization of Test Data

Inward Leakage Test Data

Subject	Sample No.	Condition	Walk(%)	Head Side/side(%)	Head up/down(%)	Talk(%)	Walk(%)	Mean(%)
Zhou	1	A.R.	6.11	5.08	7.73	5.47	6.33	6.14
Luo	2	A.R.	7.84	6.74	7.17	5.90	8.26	7.18
Lu	3	A.R.	6.44	4.86	6.48	6.18	7.10	6.21
Wang	4	A.R.	5.86	5.60	4.78	5.41	4.82	5.29
Bao	5	A.R.	8.29	8.66	7.51	6.82	5.91	7.44
Ding	6	T.C.	5.59	4.76	5.54	4.97	5.85	5.34
Li	7	T.C.	8.25	7.75	6.81	7.63	8.40	7.77
Chen	8	T.C.	5.45	5.05	5.98	5.58	5.35	5.48
Song	9	T.C.	5.60	6.81	5.64	6.70	6.99	6.35
Ye	10	T.C.	8.33	7.88	8.11	6.80	8.22	7.87

Facial Dimension(mm)

Subject	Face length	Face Width	Face Depth	Mouth Width
Chen	125	150	120	58
Lu	115	132	107	48
Zhou	115	135	106	52
Li	125	130	107	46
Luo	125	136	100	43
Zheng	128	140	112	55
Wang	120	147	103	48
Song	120	140	100	50
Bao	130	134	104	50



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Ding	134	150	110	52
Lu	120	135	117	50
Ye	126	137	105	52

Clause 7.9.2 Penetration of Filter Material (EN 149:2001+A1:2009, Clause 8.11 & EN 13274-7:2019)

Test Requirement			Results	Comment		
The penetration of the filter of the particle filtering half mask shall meet the requirements of the following table.			Detail refer to Appendix 2	Meet FFP1, Meet FFP2		
Classification	Maximum penetration of test aerosol					
	Sodium chloride test 95 l/min	Paraffin oil test 95 l/min				
	% max.	% max.				
FFP1	20	20				
FFP2	6	6				
FFP3	1	1				

Appendix 2: Summarization of Test Data

Penetration of filter material

Aerosol	Condition	Sample No.	Penetration (%)	
Sodium chloride test	As received	1	0.117	
		2	0.126	
		3	0.119	
	Simulated wearing treatment	4	0.145	
		5	0.190	
		6	0.175	
		Mechanical strength + Temperature conditioned	7	0.412
			8	0.317
			9	0.396
			10	0.201
Paraffin oil test	As received	11	0.306	
		12	0.287	
		13	0.279	
	Simulated wearing treatment	14	0.314	
		15	0.336	
		16	3.674	
	Mechanical strength + Temperature conditioned	17	4.124	
		18	4.176	
		Flow conditioning : Single filter: 95.0 L/min		



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Clause 7.10 Compatibility with Skin
(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
Materials that may come into contact with the wearer's skin shall not be known to be likely to cause irritation or any other adverse effect to health.	No irritation or any other adverse effect to health	Pass

Clause 7.11 Flammability
(EN 149:2001+A1:2009, Clause 8.6)

Test Requirement	Results	Comment
The material used shall not present a danger for the wearer and shall not be of highly flammable nature When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5 s after removal from the flame.	Detail refer to Appendix 3	Pass

Appendix 3: Summarization of Test Data

Flammability

Condition	Sample No.	Result
As received	1	NIL
	2	NIL
Temperature conditioned	3	NIL
	4	NIL

Clause 7.12 Carbon Dioxide Content of The Inhalation Air
(EN 149:2001+A1:2009, Clause 8.7)

Test Requirement	Results	Comment
The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1.0 % (by volume)	Detail refer to Appendix 4	Pass

Appendix 4: Summarization of Test Data

Carbon Dioxide Content of The Inhalation Air

Condition	Sample No.	Result(%)
As received	1	0.4875
	2	0.4862
	3	0.4869
		Mean value:0.49

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Clause 7.13 Head Harness
(EN 149:2001+A1:2009, Clause 8.4 & 8.5)

Test Requirement	Results	Comment
The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.	Comply	Pass
The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage requirements for the device.	Comply	

Clause 7.14 Field of Vision
(EN 149:2001+A1:2009, Clause 8.4)

Test Requirement	Results	Comment
The field of vision is acceptable if determined so in practical performance tests.	Comply	Pass

Clause 7.15 Exhalation Valve(s)
(EN 149:2001+A1:2009, Clause 8.2 & 8.9.1 & 8.3.4 & 8.8)

Test Requirement	Results	Comment
(a) A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.	Not applicable due to No exhalation valve	N.A.
(b) If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9.	Not applicable due to No exhalation valve	
(c) Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s.	Not applicable due to No exhalation valve	
(d) When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10N applied for 10 s.	Not applicable due to No exhalation valve	

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AVVERTENZE & MODALITA' D'USO:

Importante: lavare bene le mani prima di indossare la mascherina.

- 1) Modella il nasello con un dito all'interno, NON trasformarlo in angolo acuto a forma di V!
- 2) NON toccare la mascherina durante l'uso, in tal caso lavare le mani con acqua e sapone o con una soluzione alcolica.
- 3) Quando le maschere non sono utilizzate, conservare in un'area incontaminata a temperatura costante.
- 4) Quando la maschera diventa umida, sostituirla con una nuova e non riutilizzarla. Questo prodotto è progettato per essere utilizzato una sola volta. Una volta rimosso dal volto deve essere gettato in un sacchetto chiuso.
- 5) Dopo l'utilizzo è indispensabile lavarsi le mani con acqua e sapone o con una soluzione alcolica-

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