

TECHNICAL DATA SHEET

FFP2 NR particle-filtering half mask | Type MM2-S



1. Product identification

Product name	Filtering half mask (particle-filtering half mask)
Type / article code	MM2-S
Manufacturer	MOONLEH (MOONLEX) dooel Sremski Front 1A-26, 2000 Shtip, North Macedonia
PPE Regulation	Regulation (EU) 2016/425, Category III
Harmonised standard	EN 149:2001+A1:2009
Classification	FFP2 NR (single shift use, no exhalation valve, no dolomite "D")

2. Conformity and certification

Notified body	CIS Institut d.o.o., Gradnikove brigade 11, 1000 Ljubljana, Slovenia. NB 2890
Conformity route	Module B (EU type examination) plus Module C2 (Article 19(c)(i))
EU type examination certificate	No. 263453040080 Issued 10.06.2026, valid until 09.06.2031
Evaluation report	OP04030080, 10.06.2026
C2 conformity assessment report	PP263453040064 - Issued 17.07.2026
CE marking	CE 2890

3. Technical characteristics

Construction	Multi-layer non-woven, folded half mask, metal nose clip, two elastic ear loops
Filtration layer	Water electret meltblown
Sizing	One size. Body 230 +/- 10 mm x 122 +/- 7 mm. Nose wire 95 +/- 5 mm
Colours	White, black, or other colour (outer and inner layers)
Free of	Glass Fiber / Latex
Sterilization	Non-sterile

Reference / Product Description	Color	Qty./Bag	Qty./Carton	Cartons / Shipping Carton
FFP2 - Non-Reusable (NR), Without Valve - MM2-S	 White	 EAN CODE: 5310914210019 1 pc./Bag	 EAN: 5310914210101 10 pcs./Carton	 108 Cartons / Shipping Carton
FFP2 - Non-Reusable (NR), Without Valve - MM2-S	 Black	 EAN CODE: 5310914200010 1 pc./Bag	 EAN: 5310914200102 10 pcs./Carton	 108 Cartons / Shipping Carton

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4. Performance (EN 149:2001+A1:2009)

Requirement (EN 149)	FFP2 limit	MM2-S result (tested)
Filter penetration, NaCl	max 6 %	0.14 % - pass
Filter penetration, paraffin oil	max 6 %	1.93 % - pass
Total inward leakage (arithmetic mean)	max 8 %	< 8 % - pass
Breathing resistance, inhalation 30 L/min	max 0.7 mbar	0.41 mbar - pass
Breathing resistance, inhalation 95 L/min	max 2.4 mbar	1.44 mbar - pass
Breathing resistance, exhalation 160 L/min	max 3.0 mbar	2.04 mbar - pass
CO2 content of inhalation air	max 1.0 %	0.80 % - pass
Flammability	does not burn > 5 s	0 s - pass

5. Storage and shelf life

Shelf life	3 years from date of manufacture
Storage temperature	-20 C to +40 C
Storage humidity	< 80 % relative humidity
Storage conditions	Store in clean, dry conditions, protected from direct sunlight, in original sealed packaging
Reuse	Single shift use only. Do not reuse (NR)

6. Mandatory marking

On each mask (EN 149 clause 9.2 + Module B certificate):

- MOONLEX
- MM2-S
- EN 149:2001+A1:2009 FFP2 NR
- CE 2890

On smallest commercial packaging (EN 149 clause 9.1):

- MOONLEX (manufacturer name / mark)
- MM2-S (type)
- EN 149:2001+A1:2009 FFP2 NR
- CE 2890
- End of shelf life hourglass pictogram (yyyy/mm)
- "See information supplied by the manufacturer" (book pictogram)
- Storage conditions: temperature and humidity (or pictograms)
- Single use / do not reuse

This data sheet lists only mandatory content required by Regulation (EU) 2016/425 and EN 149:2001+A1:2009. It does not replace the EU Declaration of Conformity or the full technical documentation.

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MOONLEX
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7. Usage, Cautions and Storage

HOW TO USE YOUR FFP2 MASK



1. WASH YOUR HANDS thoroughly before using the mask.



2. TAKE THE MASK by the ear loops and position it over your mouth and nose.



3. PUT ON THE MASK and pull the ear loops over the ears.



4. ADJUST THE NOSE CLIP firmly over the nose bridge.



5. MAKE SURE THAT the mask fits tightly and properly.

8. Meaning of Pictograms

EXPLANATION OF PICTOGRAMS



1. READ INSTRUCTIONS

Read the instructions for use carefully before using the product.



6. NOT REUSABLE

This product is not intended to be reused.



2. MAXIMUM HUMIDITY

Store in a dry place.
Maximum relative humidity <80%.



7. SINGLE USE ONLY

This product is for single use only.
Do not reuse.



3. TEMPERATURE LIMITS

Store between -20°C and +40°C.
Avoid extreme temperatures.



8. KEEP AWAY FROM SUNLIGHT

Keep away from direct sunlight
and heat sources.



4. DISPOSE RESPONSIBLY

Dispose of the product and
packaging responsibly.



9. CE MARKING

This product complies with the
applicable European regulations.



5. PACKAGING RECYCLABLE

The packaging is recyclable.
Please recycle where facilities exist.



10. MATERIAL IDENTIFICATION

Polypropylene (PP) material.
Recyclable plastic (Code 05).

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9. Warning

1. This mask marked "NR" shall not be used for more than one shift.
2. Never substitute, modify, add, or omit parts in the configuration as specified by the manufacturer.
3. This mask helps protect against certain particulate contaminants but does not completely eliminate exposure to the risk of contracting disease or infection.
4. Do not use the particle half mask with facial hair or any other conditions that may prevent a good face-seal; the requirements of leakage will not be achieved.
5. Discard and replace the mask if: a) The mask is removed whilst in the contaminated areas. b) Clogging of the mask causes breathing difficulties. c) The mask becomes damaged.