

TECHNICAL DATA SHEET**Identification of the product and of the company/undertaking****Product identifier**

909023001M FFP2 Carbon Nanofiber Mask, Size M

909023001L FFP2 Carbon Nanofiber Mask, Size L

Details of the supplier:

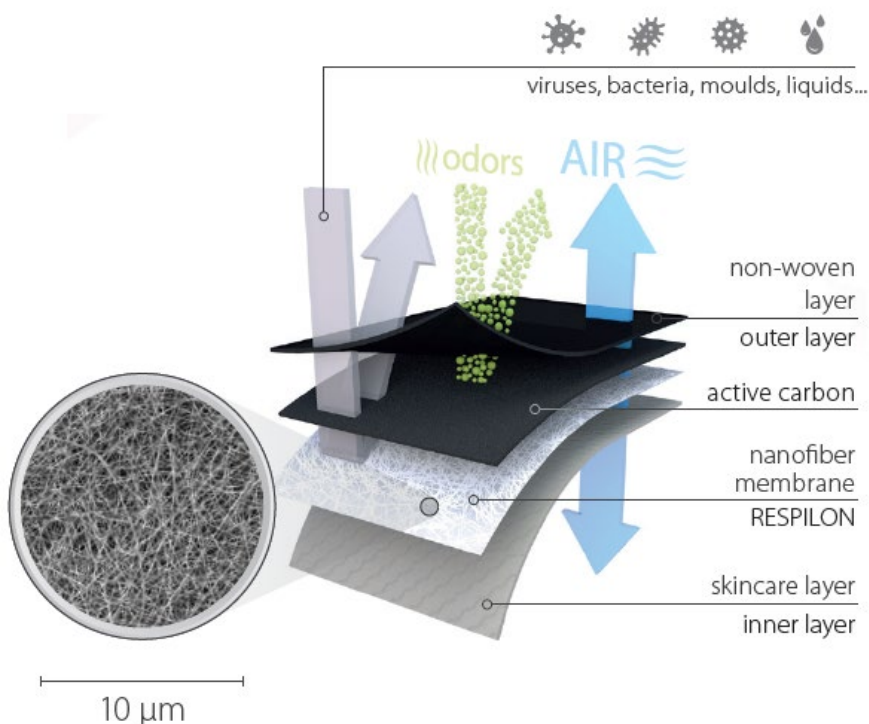
Company: Mirka Ltd
Address: Pensalavägen 210
FI-66850 Jeppo, Finland
Phone: +358 20 760 2111
National contact: sales@mirka.com

Description

The FFP2 Carbon Nanofiber Mask is a certified FFP2 respirator which protects the user from solid particles and dust. Thanks to the active carbon layer, it also brings a new level of comfort because of capturing unpleasant odors of any origin.

Materials

The unique combination of filtering materials provides reliable protection under the toughest conditions while being uncommonly breathable. The following materials are used in the production of masks:



TECHNICAL DATA SHEET

INGREDIENTS	STRUCTURE	MATERIAL
1st Layer	Outer Layer	Polypropylene Spun bond (non-woven)
2nd Layer	Active Carbon	Polypropylene Spun bond (non-woven) with active Carbon
3rd Layer	Nano Fiber Laminate Layer	1. non woven 2. PAN nanofiber 3. meltblown
4th Layer	Inner Layer	Polypropylene Spun bond (non-woven)
Other	Ear Loop	Nylon (80%) + Spuntex (20%)
Other	Nose Clip	Polypropylene Coated Wire
Other	Buckle	Polypropylene

CONSTITUENTS	MATERIAL	g/m ²	CONTENT
Outer Layer	Polypropylen Spunbound	50g/m ²	25%
Active Carbon Layer	Polypropylen Spunbound (non-woven) with active Carbon	35g/m ²	17%
Nanofiber Filter Laminate Layer RNF	1. non woven 25g/m ² 2. PAN nanofiber 5g/m ² 3. meltblown 18g/m ²	48g/m ²	23%
Inner Layer	Polypropylen Spunbound	20g/m ²	7%
Ear Loop	Nylon (80%) + Spuntex (20%)	0,9g	18%
Nose Clip	Polypropylene coated wire	0,5g	10%
Buckle	Polypropylene	0,5g	

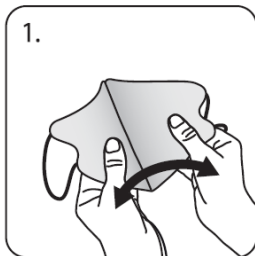
according to Recommendation for use No. PPE-R/02.075

Breathing Exhalation Resistance	PA	160l/min	Products	Conformity (Pass)
			from 138 till 190	
Breathing Inhalation Resistance	PA	30l/min	Products	Conformity (Pass)
			from 22 till 35	
		95l/min	Pre-treatment from 95 till 124	
Filtration Efficiency	%	Sodium chloride 95l/min	Products	Conformity (Pass)
			from 97,62 till 98,78	
Filtration Efficiency	%	Parafin oil 95l/min	Products	Conformity (Pass)
			from 99,77 till 99,86	
CO ₂ Concentration	%		Products	Conformity (Pass)
			from 0,14 till 0,23	



TECHNICAL DATA SHEET**Check before use**

Before using the respirator, always check its condition, the integrity and strength of the ear loops, signs of suspicious discoloration, stains or other. In this case, do not use the respirator.

How to use the product

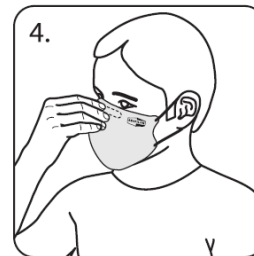
1. Open the package, take out the filtration half mask and unfold it.



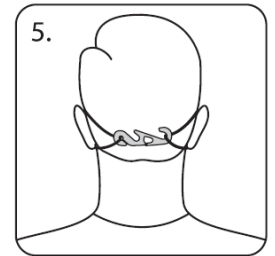
2. Place the filtration half mask on the root of your nose and hold it with one hand.



3. Use your other hand to pull the ear loops behind your ears



4. Press the nose clip firmly around the root of your nose.



5. Hook the plastic buckle around both ear loops and pull it over the back of your head.

Useage

Do not use in a space with a lower oxygen concentration. The product is certified as a single use FFP2 NR respirator for a single work shift. Do not use against gases, vapours, volatile substances and in explosive atmospheres.

In case of any health problems, stop using the respirator immediately. Hair and/or facial hair may decrease the respirators face fit, and thus reduce its protective properties. If a breach of the original packaging is found, discard the respirator immediately and do not use it.

Shelf life

5 years from the date of production (when stored in undamaged packaging).

Storage and maintenance

Store in undamaged packaging in a dark and dry place.
Minimum storage temperature -10°C and maximum storage temperature $+40^{\circ}\text{C}$.
Maximum humidity 80%.

The nanofiber respirator can be sterilized by ethanol-based disinfection with concentration greater than 75%. Do not use disinfectant with fragrant essences, that could clog the nanofiber membrane. Repeated sterilization can affect the breathability of the nanofiber membrane and its filtration efficiency. We recommend nanofiber respirators sterilize a maximum of three times.

