



TECHINCAL DATASHEET

ref. **537870**

FILTERING PROTECTIVE FACE MASK FFP2



Presentation: 1pcs/bag with blister, 10pcs/box

DESCRIPTION

- The mask 537870 is composed by the following elements:
- A filtering material of 5 layers: 3 layers of non woven fabrics and 2 layers of melt blown polypropylene.
 - A nose clip to give shape to the half nose mask
 - The braided rubber thread headbands
 - Plastic closures of the headbands
 - The polyurethane foam nose seal
 - Internal cover that enhances the tightness and comfort

The mask is designed to allow an easy breathing during the whole workday. The anatomic form and the nose clip, as well as the internal sealing foam makes the half mask to easily adapt to most of facial shapes, which guarantees the required tightness.

APPLICATION

Duties in place with a high dust concentration, welders, protection against dusts such as beryllium, antimony, arsenic, cadmium, cobalt, nickel, radio, strychnine, or radioactive particles.

PERFORMANCE

The mask is composed by 5 layers of filtering material, which filters the air both in the inhalation and exhalation. The rubber headbands must be properly fixed on the head and the mask cup properly adjusted to the user's face.

REQUIREMENTS

The mask complies with:
Harmonized European regulation: PN-EN 149:2001+A1:2010 (EN 149:2001+A1:2009) "Respiratory protection equipment - Filtration and protection masks against particles Requirements, tests and marking";

FOR PERSONAL USE, NON-REUSABLE.

CONTRAINDICATIONS

The mask does not provide oxygen. The respiratory system protection is not guaranteed as long as there is a lack of oxygen on the environment (below the 18%). It must not be used in placed with a limited cubic volume of oxygen, in particular, non-ventilated areas such as sewers, wells and tanks...The mask does not protect against pollution in smoke-like or fog-like form which may be harmful for human health. Do not use the mask in circumstances where the characteristics and concentration of the harmful substances are unknown. Do not use the mask in fire extinguishing situations. The firmness of the mask is not guaranteed if it is used on an unshaven or bearded face.

FUNCTIONAL PARAMETERS

Type (according to EN 149:2001+A1:2009)		FFP2 NR
Total inward leakage		≤ 11%
Penetration of filter material of sodium chloride aerosol and paraffin oil at a flow rate of 95 L/min:		≤ 6%
Breathing resistance to inhalation at a flow rate of:	30 L/min	≤ 0.70 mbar
	95 L/min	≤ 2.4 mbar
Breathing resistance to exhalation at a flow rate of 160 L/min:		≤ 3 mbar
Breathing resistance to inhalation and exhalation after clogging at 95 L/min continuous flow:		≤ 4 mbar
Carbon dioxide content (CO ₂) of the inhalation air		≤ 1%
Maximum time of use		8 horas

USE AND STORAGE

The mask must be stored at a temperature from -20°C to +38°C, and a relative humidity lower than 80%. You must check the technical conditions of the mask before using, for example, that all elements forming the mask are not damaged. A worn out or expired mask (point 6 of the following list) must not be used. The mask cannot be neither bent nor folded. To ensure the maximum fit onto the face, the mask must be placed as follows:

1. Check the packaging is not damaged and wash your hands before each use.
2. Hold the mask by the headbands and place them on both sides of the ears so that the mask covers the nose and the mouth, and the lower part of the mask to the chin.
3. Adjust the headbands to the desired position.
4. Adjust the nose clip so that the mask is well-tensioned and mold it to the nose form.
5. Check it is properly placed. Put your hands around the mask and exhale strongly; if it is not tightened enough, adjust the mask cup or nose clip.
6. Expiration date: 2 years from production date.

