

Technical Data Sheet



Product specification

1. Product name	Particle filtering half mask	
2. Description	This product, which is normally used in the general working environment, is designed to provide reliable respiratory protection and against certain airborne particles and dust, block body fluids and so on. Please read these instructions thoroughly before use.	
3. Intended use	This product consists of PP nonwoven fabric, PP melt-blown fabric, spunlaced nonwoven fabric, nose clip and ear loops. This is a particle filtering half mask, which is intended to provide adequate sealing on the face of the wearer against the ambient atmosphere when the skin is dry or moist and when the head is moved. This mask is designed to protect against both solid and liquid aerosols. This mask is non-re-usable particle filtering half mask. This mask is intended exclusively for the personal protection; it is not medical face mask.	
4. REF numbers	REF	Product Description
	KF-A F10(SC)	Particle filtering half mask

Technical information

	Component name	Material
1. List of Materials	Mask body (5 layers)	Outer layer: PP non-woven fabric Second layer: PP melt-blown fabric Third layer: PP melt-blown fabric Fourth layer: Spunlaced non-woven fabric Inner layer: PP non-woven fabric
	Ear loop	Blended textile belt

<http://www.kingfa.com.cn>

1/19/2021

Update:

NOTICE: The data contained in this publication are based on our current knowledge and experience. This information may be subject to revision without informing in advance as new knowledge and experience become available. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other governmental enactments. Seller assumes no obligation or liability for the information in this document. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE ARE EXPRESSLY EXCLUDED.

		Hook	Polypropylene																																
		Nose clip	Polypropylene with iron wire inside.																																
2. Latex		Latex Free																																	
3. Characteristic		<table border="1"> <tr> <td>Colour</td> <td>White, Green & Black</td> </tr> <tr> <td>Type</td> <td>EN149:2001+A1 FFP2 NR</td> </tr> <tr> <td>Head hardness comfort</td> <td>All samples have the feeling of comfortable wearing.</td> </tr> <tr> <td>Security of fastenings</td> <td>All fastenings are firm.</td> </tr> <tr> <td>Field of vision</td> <td>Field of vision is acceptable</td> </tr> <tr> <td>Leakage (sodium chloride)</td> <td>≤ 6 %</td> </tr> <tr> <td>Leakage (Paraffin oil)</td> <td>≤ 6 %</td> </tr> <tr> <td>Compatibility with skin</td> <td>All samples don't cause irritation.</td> </tr> <tr> <td>Flammability</td> <td>Burning time < 5 s</td> </tr> <tr> <td>Carbon dioxide content of the inhalation air</td> <td>< 1.0 %</td> </tr> <tr> <td>Leakage-total inward leakage (TIL)</td> <td>At least 46 out of 50 individual exercise results (I.e. 10 subjects × 5 exercises) for total inward leakage is not greater than 11% and in addition, at least 8 out of 10 individual wearer arithmetic for the total inward leakage not greater than 8%</td> </tr> <tr> <td>Breathing resistance (Inhalation 30L/min)</td> <td>≤ 0.7 mbar</td> </tr> <tr> <td>Breathing resistance (Inhalation 95L/min)</td> <td>≤ 2.4 mbar</td> </tr> <tr> <td>Breathing resistance (Exhalation 160L/min)</td> <td>≤ 3.0 mbar</td> </tr> <tr> <td>Size</td> <td>230mm*120mm</td> </tr> <tr> <td>Weight</td> <td>6.4±0.3 g</td> </tr> </table>		Colour	White, Green & Black	Type	EN149:2001+A1 FFP2 NR	Head hardness comfort	All samples have the feeling of comfortable wearing.	Security of fastenings	All fastenings are firm.	Field of vision	Field of vision is acceptable	Leakage (sodium chloride)	≤ 6 %	Leakage (Paraffin oil)	≤ 6 %	Compatibility with skin	All samples don't cause irritation.	Flammability	Burning time < 5 s	Carbon dioxide content of the inhalation air	< 1.0 %	Leakage-total inward leakage (TIL)	At least 46 out of 50 individual exercise results (I.e. 10 subjects × 5 exercises) for total inward leakage is not greater than 11% and in addition, at least 8 out of 10 individual wearer arithmetic for the total inward leakage not greater than 8%	Breathing resistance (Inhalation 30L/min)	≤ 0.7 mbar	Breathing resistance (Inhalation 95L/min)	≤ 2.4 mbar	Breathing resistance (Exhalation 160L/min)	≤ 3.0 mbar	Size	230mm*120mm	Weight	6.4±0.3 g
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4. Sterilization method		Non-sterile																																	
5. Shelf life		2 years																																	
6. Packaging specification	Sales unit	10	Units per bag																																
		30	Units per box																																

Quality and Regulatory information

1. Product classification	Class III (according to Annex I, Rule 3)	
2. List of standards	The product is compliant with the following standards and regulations:	
	Document Reference	Title
	EN149: 2001+A1: 2009	Respiratory protective devices — Filtering half masks to protect against particles — Requirements, testing, marking
	EN 132: 1999	Respiratory protective devices - Definitions of terms and pictograms
	EN 134: 1998	Respiratory protective devices - Nomenclature of components
	EN 143-2006	Respiratory protective devices - Particle filters - Requirements, testing, marking
	EN 13274-7: 2019	Respiratory protective devices – Methods of test – Part 7: Determination of particle filter penetration
	ISO 6941:1995	Textile fabrics - Burning behaviour - Measurement of flame spread properties of vertically oriented specimens