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DISPOSABLE KARAM RESPIRATORS- SELECT SERIES RFH 01



Available in Colors

Certified to IS 9473:2002

Description: FFP1 S disposable respirator with comfortable headband designed to filter air contaminants, viruses, bacterial micro-organisms, dust, pollen and smoke. Allows the user to breathe easy and germ free.

Application: Usage upto 12 hours (cumulative) in different industries and also ideal for wearing during daily activities. Industries include Agriculture, Construction, Ceramics, Textiles, Pharmaceuticals, Food and Beverages etc.

1	DESIGN		<ul style="list-style-type: none"> Wide coverage over the face. Allows up to 20% more volume than other masks to relieve the user from any feeling of claustrophobia. Minimizes breathing difficulties and speaking discomfort. Comes with a catchy zig-zag pattern on the edge
2	MATERIAL		Non-woven Polypropylene soft fabric designed to filter air contaminants, viruses and bacterial micro-organisms.
3	LAYERS	SPECIFICATIONS	Multi-layered that ensures excellent filtration.
		OUTER LAYER	Water-repellent material made of non-woven Polypropylene. Does not soak water easily when exposed to external moisture.
		SECOND LAYER	Pre-filtering material made of non-woven polypropylene to primarily protect the next particulate filtering layers.
		THIRD LAYER	Single layer of non-woven polypropylene having filtering efficiency of more than 90% against the requirement of 80% as per Clause 5.4.2 of IS 9473:2002.

		INNER LAYER	Made of hypoallergenic, sweat absorbent Polypropylene non-woven material, hence does not allow sweat to build up.
4	ELASTIC HEADBAND		<ul style="list-style-type: none"> • 5mm soft and flat elasticated Head Band (+/-0.2mm). • Hypoallergenic elasticated material that is latex-free and sweat absorbent. • One size fits all • Relaxed elastic length for full back head coverage • Easy to wear for extended hours without creating pressure on the ears
5	NOSE CLIP		Internally bonded nose-clip which is not exposed. Pliable yet firm and takes up the shape of the nose bridge, so as to rest on the nose comfortably. Made of thermoplastic material with a metallic reinforcement inside.
6	SEALING	EDGE SEALING	Ultrasonically sealed edges
		NOSE CLIP SEALING	Ultrasonically sealed Nose-clip that does not get displaced from its position.
		EAR LOOP SEALING	Ultrasonically sealed
7	ADJUSTABILITY		Universal size
8	VITAL TEST COMPLIANCE	PARTICULATE FILTERING EFFICIENCY (WHEN TESTED AS PER CLAUSE 5.4.2 OF IS 9473:2002)	Exceeds 90% when tested as per clause as against the requirement of not less than 80% as per IS standard
		BREATHING RESISTANCE (WHEN TESTED AS PER CLAUSE 5.11 OF IS 9473:2002)	<p>Inhalation Flow- 30 l/min : 0.38 mbar as against the requirement of less than 0.6 mbar</p> <p>Inhalation Flow- 95 l/min: 1.55 mbar as against the requirement of less than 2.1 mbar</p> <p>Exhalation Flow- 160 l/min: 1.90 mbar as against the requirement of less than 3.0 mbar</p>
		TOTAL INWARD LEAKAGE (WHEN TESTED AS PER CLAUSE 5.4.1 OF IS 9473:2002)	<p>The arithmetic mean of the Total Inward Leakage of all 10 Subjects found is 2.44% as against the requirement of arithmetic mean of at least 8 subjects to be less than 22%</p> <p>The arithmetic mean of the Total Inward Leakage of at least 46 Subjects found is 7.08% as against the requirement of less than 25%</p>

		CO ₂ CONTENT OF INHALATION AIR (WHEN TESTED AS PER CLAUSE 5.7 OF IS 9473:2002)	Carbon dioxide content of the inhalation air (dead space) is not greater than 0.58 % (by volume).
		FLAMMABILITY (WHEN TESTED AS PER CLAUSE 5.6 OF IS 9473:2002)	RFH01 when subjected to pass the flame once at the specified speed does not continue to burn after removal of flame.
		BACTERIAL FILTERING EFFICIENCY	Bacterial Filtering Efficiency greater than 90%
9	DISPOSAL	GENERAL HOUSEHOLD	<ul style="list-style-type: none"> • Tear the Mask completely or break atleast one of the headbands by pulling it apart so that it cannot be reused. • Discard in a separate covered bin. • Keep the bin for at least 72 hours. • Give away the bin contents to a recycler.
		MEDICAL STAFF	Follow hospital waste management procedures.