TECHNICAL DATASHEET

CleanAIR®

www.clean-air.cz

Chemically Resistant Hood CA-10

Chemically resistant long protective hood with air distribution



Description

Universal reusable long protective hood with enhanced chemical resistance and taped seams. Compatible with CleanAIR® powered air purifying respirators and continuous flow breathing apparatuses.

Application

It is suitable for spraying and painting operations as well as for use in laboratories and pharmaceutical or chemical industries.

The image is for illustrative purposes only. Appearance may vary.

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Technical specification			
Product code	721002		
Weight	205 g		
Dimensions	550 mm / 210 mm / 270 mm		
Materials	Visor: cellulose propionate Textile part: laminated polyethylene (PP+PE) Head harness: polypropylene		
Repeated use	Yes		
Input air distribution connection	QuickLOCK™		
Standard Protection class / NPF	EN 12941 TH3 / 500	EN 14594 3A / 200	EN ISO 16321-1 1 CT 3 4 5 N
Storage conditions Operating conditions	– 10°C to + 55°C, humidity 20 - 95 % RH 0°C to + 60°C, humidity 20 - 95 % RH		

Material (fabric) data:	
Basis weight:	95 g/m^2

Certification:	
Type 3	EN 14605
Type 5	EN ISO 13982-1
Antistatic	EN 1149-5
Biological barrier	EN 14126
Against radioactive contamination	EN 1073-2

Permeation data CPM - EN 369:

Chemical	*Physical state*	*CAS*	*EN 369*
Benzalkonium chlorides (10%)	Liquid	63449-41-2	> 480 min.
Chromium oxide (60%)	Liquid	1333-82-0	> 480 min.
Glutaraldehyde (20%)	Liquid	111-30-8	> 480 min.
Hydrofluoric acid (50%)	Liquid	7664-39-3	> 480 min.
Hydrogen peroxide (33%)	Liquid	7722-84-1	> 480 min.
Pure isopropanol	Liquid	67-63-0	> 480 min.
Sodium hypochlorite (10-15%)	Liquid	7681-52-9	> 480 min.
Caustic soda (40%)	Liquid	1310-73-2	> 480 min.
Oxalic acid saturated	Liquid	144-62-7	> 480 min.
Peracetic acid (10%)	Liquid	79-21-0	> 480 min.
Phosphoric acid (85%)	Liquid	7664-38-2	> 480 min.
Nitric acid (69%)	Liquid	7697-37-2	387 min. / > 480 min.
Hydrochloric acid (37%)	Liquid	7647-01-0	> 480 min.
Sulfuric acid (96%)	Liquid	7664-93-9	> 480 min.
Hydrogen peroxide (32%)	Liquid	7722-84-1	> 480 min.

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Material properties:

Fabric physical properties	*Test method*	*Unit*	*Result*	*EN Class*
Abrasion resistance	EN 530	Cycles	>100<500	2 / 6
Blocking	EN 25978	N	No blocking	2 / 6
Flex cracking resistance	EN ISO 7854	Cycles	>5.000<15.000	3 / 6
Puncture resistance	EN 863	N	13,5	2 / 6
Trapezodial tear resistance	EN ISO 9073-4	N	76,8 L / 57,4 Q	3 / 6
Seam strength	EN ISO 13935-2	N	147,7	4 / 6
Ignition resistance	EN 1146		No further flaming, no drop information	
Surface resistivity	EN 1149-1	Ohm	1,9 x 10^7	
Biological barrier	EN 14126	Pass		

Compatible powered air purifying respirators / airline systems	*Standard / Class*
CleanAIR® Basic	EN 12941 / TH3
CleanAIR® AerGO®	EN 12941 / TH3
CleanAIR® Chemical 2F Plus	EN 12941 / TH3
CleanAIR® Chemical 3F Plus	EN 12941 / TH3
CleanAIR® MedicAER	EN 12941 / TH3
CleanAIR® Pressure Flow Master	EN 14594 / 3A

Compatible accessories and spare parts	*Product code*
Headband for light headtops	720001
Sweatband for light headtops - pack of 5 pcs	167003/5
Protection foil – 10 pcs	700120/10
Hose cover chemical resistant	700062C
Light flexi hose QuickLOCK™	710060
Rubber hose QuickLOCK™	710086
CleanAIR VariCap, including headgear with paddings	720030
Headgear VariGEAR Comfort incl sweatband and paddings, w/o mounting set	720010

Disclaimer Notice

All the information contained herein is believed to be accurate and is subject to change without notice. Users should independently evaluate the suitability of each product for their own applications. CleanAIR® products are not designed for, and may not be used in, all applications.