

PureFlo 3000

PAPR - Pharmaceutical



Data Sheet

The PureFlo 3000 respirator is an innovative respiratory protective system that provides a unique all-in-one respiratory, head, face, eye and hearing protection solution.

The option to utilise a disposable hood with the PF3000 frame provides a lightweight, all-in-one PAPR with a polypropylene hood, ideal for use in powder, chemical, laboratory and pharmaceutical environments.



APPROVALS

Respiratory Protection	EN 12941:1998+A2:2008 TH3P
Environmental Protection	IP54 (In Use) IPX5 (Cleaning); IEC 60509:1989

PAPR FRAME TECHNICAL DATA

Weight	1.1kg
Head Size Range	53 - 63cm
Protection Factor	Assigned Protection Factor (APF) – 40, Nominal Protection Factor (NPF) - 500
Humidity	0-90% (store out of direct sunlight)
Regulated Airflow	170/220 l/min
Temperature Range	Charging: +5°C to +40°C, Use: -5°C to +40°C, Storage (excluding battery) : -20°C to +50°C
Power Supply	Continuous Power: Li-Ion Battery runtime/capacity 4hrs Charge Time: 2 hrs

FABRIC TECHNICAL DATA

Fabric Description	Polyethylene barrier laminated to a meltblown and spunbonded Polypropylene nonwoven composite
Fabric Weight	70 gsm
Colour Options	White

Fabric Physical Test according to EN 14325: 2004

Test Method	Result	EN Class
Abrasion Resistance EN530 Method 2	>100 <500 Cycles	2 of 6
Flex ISO 7854 Method B	>1.000 <2.500 Cycles	1 of 6
Tear Resistance EN ISO 9073-4 (MD)	85,5 N	4 of 6
Tear Resistance EN ISO 9073-4 (CD)	39,1 N	2 of 6
Tensile Strength ISO 13934-1 (MD)	140,0 N	3 of 6
Tensile Strength ISO 13934-1 (CD)	61,0 N	2 of 6
Puncture Resistance EN 863	11,0 N	2 of 6

Other Physical Performance Data

Description	Result
BS EN 20811 Resistance to Water Penetration	>22 kPa
ISO 13938-1 Bursting Resistance	61.6 kPa Class 1 of 6
EN 25978 Resistance to Blocking	No Blocking
EN1149-5: 2008 Electrostatic Surface Resistance	PASS – Half Decay t50 = 0.05s
EN ISO 3071:2006 pH of Aqueous Extract	PASS

Fabric Chemical Permeation EN 374-3: 2003 1.0 µg / cm² / min

Chemical	Result	EN Class
Sulphuric Acid 98% Material	>480 min	6 of 6
Sodium Hydroxide 48% Material	>480 min	6 of 6
Sulphuric Acid 98% Taped Seam	>480 min	6 of 6
Sodium Hydroxide 48% Taped Seam	>480 min	6 of 6

EN 14126: 2003 - Barrier to Infective Agents

Test Method	Result	EN Class
ISO 16603 - Resistance to penetration by blood/ fluids under pressure	Pass to 20 kPa	6 of 6
ISO 16604 - Resistance to penetration by blood borne pathogens	Pass to 20 kPa	6 of 6
EN ISO 22610 - Resistance to wet bacterial penetration (mechanical contact)	Penetration >75 mins No Penetration	6 of 6
ISO/DIS 22611 - Resistance to biologically contaminated aerosols	Penetration Ratio Log 10 CFU >5 No Penetration	3 of 3
ISO 22612 - Resistance to dry microbial penetration	Penetration Log Log10 CFU < 1 No Penetration	3 of 3

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