

# PureFlo 3000

## PAPR - Disposable Hood



## 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

Subject to approval from notified body and which is currently in progress.

|                          |   |
|--------------------------|---|
| Respiratory Protection   | EN 12941:1998+A2:2008 Protection Level TH3    |
| Environmental Protection | IP54 (In Use) IPX5 (Cleaning); IEC 60509:1989 |

## PAPR FRAME TECHNICAL DATA

|                   |  |
|-------------------|--|
| Weight            | 1.1kg (without inner visor)  |
| 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 | 220 l/m  |
| Temperature Range | Charging: +5°C to +40°C, Use: -5°C to +40°C,<br>Storage (excluding battery) : -20°C to +50°C |
| Power Supply      | Continuous Power: Lilon Battery runtime/capacity 4hrs<br>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<br>t50 = 0.05s |
| EN ISO 3071:2006 pH of Aqueous Extract          | PASS                             |

## Fabric Chemical Permeation EN 374-3: 2003 1.0 µg / cm<sup>2</sup> / 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<br>>75 mins<br>No Penetration            | 6 of 6   |
| ISO/DIS 22611 - Resistance to biologically contaminated aerosols            | Penetration Ratio<br>Log 10 CFU >5<br>No Penetration | 3 of 3   |
| ISO 22612 - Resistance to dry microbial penetration                         | Penetration Log Log10<br>CFU < 1<br>No Penetration   | 3 of 3   |

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