

## Type IIR Fluid Resistant Surgical Mask

### Description

Hardshell Fluid-resistant (Type IIR) surgical masks (FRSM) are medical devices covering the mouth, nose and chin to provide a barrier against the risk of exposure to droplets or fluids. Manufactured to an EN 14683:2019 Type IIR standard, these masks are designed to provide unrestricted breathability while offering  $\geq 98\%$  filtration of bacteria with particles sizes in the range of  $3.0 \pm 0.3 \mu\text{m}$  ( $\sim 3000\text{nm}$ ).

### Dimensions

- Mask length: 175mm
- Mask width: 95mm
- Nose wire length: 100mm
- Ear loop length: 165mm

### Features

- Three-ply structure
- Compliant to EN14683:2019 Type IIR standard
- BFE (Bacterial Filtration Efficiency)  $\geq 98\%$
- Ultrasonic welded non-woven fibre ear loop (latex free)
- Integrated & adjustable Single core PP nose wire with steel core
- Comfortable to the skin and covers the nose and mouth entirely
- All materials used in this mask are recyclable



### Test details

| Parameters                                 | Filtration efficiency % | Breathability Pa/cm <sup>2</sup> | Splash resistance kPa | Microbial Cleanliness CFU/g |
|--|-------------------------|----------------------------------|-----------------------|-----------------------------|
| Requirement as per <b>BS EN 14683:2019</b> | $\geq 98$               | $< 60$                           | 16                    | $\leq 30$                   |
| Result                                     | <b>99.96</b>            | <b>55.7</b>                      | <b>16</b>             | <b>4.85</b>                 |

*Note: Achieved values stated above are based on test averages. Detailed information available in test reports.*