

Level 3 Surgical Mask

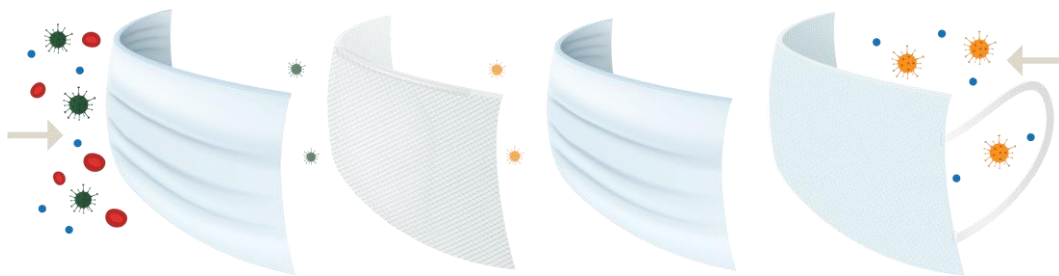
Mask Type: Flat/Surgical

Designed to meet: AS 4381:2015 – *Single-use face masks for use in healthcare*

- Bacterial Filtration Efficiency (BFE) $\geq 98\%$
- Differential Pressure, $< 5\text{mmH}_2\text{O}/\text{cm}^2$
- Resistance to penetration by synthetic blood to 160mmHg

Product Specification:

Material	Outer Layer	Inside Outer Layer	Middle Layer	Inner Layer
Description	Spunbond PP	Meltblown PP	Spunbond PP	Spunbond PP
Treatment	Hydrophobic	3% Electret	Hydrophobic	Hydrophilic
Material GSM	Typically, 50gsm	Typically, 25gsm	Typically, 25gsm	Typically, 25gsm



Legend:

- Blood Splash
- External Bacteria
- Wear's Bacteria
- Fluid Splash

Ear Loop	Nose Wire
3mm latex free elastic	Plastic coated wire (3mm total)

Summary of Testing Capability

		Australian Test Facilities			International Test Facilities	
		University of South Australia	Flinders University	CSIRO	GTTC	Eurolab
Internationally recognized certification:		No	No	NATA accreditation in progress	International Laboratory Accreditation Cooperation	ISO/IEC 17025:2017
Bacterial Filtration Efficiency % (BFE) - Appendix B; 98%						
Reference test method	Indicative Extrapolation Guide			Extrapolated testing complete		
	ASTM F2101-14		In development	In development		
	EN 14683:2014				✓	Min ETA - 4 weeks
Resistance to penetration by synthetic blood; 160 mmHg						
Reference test method	ISO 22609				✓	Min ETA - 4 weeks
	ASTM F1862/F1862M-13	✓				
Differential pressure, mmH2O/cm2 - Appendix C <5.0						
Reference test method	Indicative Guide			✓		
	EN 14683:2014		✓		✓	Min ETA - 4 weeks

Summary of Completed Testing Reports:

- **CSIRO – Material Extrapolation Results**
 - BFE %
 - Differential Pressure

- **Uni SA – Batch 1 Testing – L3 Surgical**
 - Resistance to penetration by synthetic blood

- **Flinders University – PPE Results – L3 Surgical**
 - Differential Pressure

- **GTTC – 20R000509 - L3 Trial 1**
 - BFE %
 - Differential Pressure
 - Resistance to penetration by synthetic blood

- **GTTC – 20R000510 - L3 Trial 2**
 - BFE %
 - Differential Pressure
 - Resistance to penetration by synthetic blood

- **GTTC – 20R000170 - MG Material**
 - BFE %