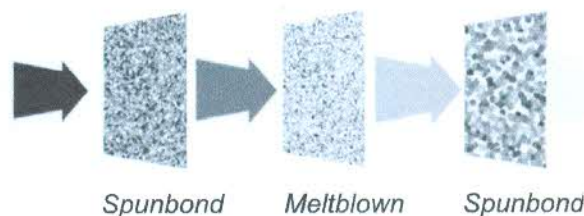


# PRODUCT DATA SHEET *Disposable Face Mask, Ear - Loop 3 ply*

## Face Mask, 3ply-FMEL3

### Description

Face Mask, 3 ply is made of Polypropylene Spunbond and Meltblown nonwoven fabrics with adjustable nose strip and flat or round elastic ear - loop to give basic protection to the user. It's mainly used in medical, dental, cleanroom, critical environment, food handling/production and industrial manufacturing.



### Components

1st layer	Polypropylene Spunbond nonwoven
2nd layer	Meltblown Nonwoven
3rd layer	Polypropylene Spunbond nonwoven
Nose strip	PE wire ( Metal Free )
Ear - Loop	Flat elastic or round elastic (latex free)

### Specifications

Width across face	175 mm +/- 2 mm
Depth pleated	95 mm +/- 2 mm
Depth in full	175 mm +/- 2 mm
Nose strip	95 mm +/- 2 mm
Loop size	155 mm +/- 5 mm

**Packing** 50 pcs per dispenser box,  
20 dispenser boxes per carton (1000 pcs)

**Available** White, Blue, Green colour, as requested  
With cartoon pattern up to three colours  
Inner and outer ear loop with any colour as requested

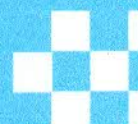
### Benefit and standards

- BFE (Bacterial Filtration Efficiency) 99% ( tested by Nelson lab )
- Excellent breathability
- Non irritating, fiber glass free fabric
- Non - woven spunbond 100% Polypropylene
- Hypoallergenic
- Splash resistant
- Comply with EN 14683, CE marking , ISO 9001 and 14001
- Ultrasonic welding manufacturing process
- Hygienic

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\*Specifications are subject to change without notice



## EN 14683:2005 Bacterial Filtration Efficiency and Differential Pressure Final Report

Test Article: #MJO12518B  
Laboratory Number: 635599  
Study Received Date: 21 May 2012  
Test Procedure(s): Standard Test Protocol (STP) Number: STP0004 Rev 06

**Summary:** The bacterial filtration efficiency (BFE) test is performed to determine the filtration efficiency by comparing the bacterial control counts to test article effluent counts. A suspension of *Staphylococcus aureus* was aerosolized using a nebulizer and delivered to the test article at a constant flow rate. The aerosol droplets were drawn through a six-stage, viable particle, Andersen sampler for collection. This procedure allows a reproducible bacterial challenge to be delivered to test materials. The differential pressure ( $\Delta P$  or Delta P) test determines the breathability by measuring the differential air pressure on either side of the test article using a manometer, at a constant flow rate. Testing was conducted as directed in Annex B (BFE testing) and Annex C (Delta P testing) of EN 14683:2005. All test method acceptance criteria were met.

Test Side: Outside Surface  
BFE Area Tested: ~3.0 inches (75 mm) diameter  
BFE Flow Rate: 28.3 L/min (1 cubic foot per minute(CFM))  
Delta P Flow Rate: 8 L/min  
Conditioning Parameters: 65  $\pm$  2% relative humidity and 20  $\pm$  2°C

**Results:** Test articles with a filtration efficiency greater than or equal to 95% meet the performance requirements of EN 14683:2005 as Type I and/or Type IR. Test articles with a filtration efficiency greater than or equal to 98% meet the performance requirements of EN 14683:2005 as Type II and/or Type IIR.

Test articles with a differential pressure less than 29.4 pascals (Pa) meet the performance requirements of EN 14683:2005 as Type I and/or Type II. Test articles with a differential pressure less than 49.0 Pa meet the performance requirements of EN 14683:2005 as Type IR and/or Type IIR.

Unit Number	Percent BFE (%)	$\Delta P$ (Pa/cm <sup>2</sup> )
1	99.8	23.1
2	99.8	26.3
3	99.8	24.0
4	>99.9	23.6
5	>99.9 <sup>a</sup>	23.5

<sup>a</sup> There were no detected colonies on any of the Andersen sampler plates for this test article.

Mean Positive Control Count: 2,561 colony forming units (CFU)  
Negative Control Count: <1 CFU  
Mean Particle Size (MPS): 2.9  $\mu$ m  
Test Article Dimensions: 171 mm x 152 mm

  
Study Director

Sarah Smit, B.S.

29 May 2012  
Study Completion Date