

## Sterile, tie-on face mask with advanced filtration efficiency

- **Specialized protection:** This tie-on sterile face mask offers high particle and bacterial filtration. It is tested against ASTM F2101 standards for Bacterial Filtration Efficiency (BFE)
- **Enhanced features and comfort:** The BioClean™ Sterile Tie-on Face Mask MTA210-1 is equipped with a fully enclosed, malleable noseband for improved fit and comfort, while an ultrasonic seal ensures a stronger bond for the tie-tapes, enabling secure fastening
- **Reduced risks:** The BioClean™ Sterile Tie-on Face Mask MTA210-1 is processed in a NEBB-certified ISO Class 4 cleanroom, reducing the risk of contamination



### Key Features and Benefits

- **Contamination control:** High Bacterial Filtration Efficiency (BFE)
- **Cleanroom-compatible materials:** Fewer contamination risks
- **Ultrasonically sealed edges:** Tie-tapes with a strong, reliable bond

### Industries

- Production and Manufacturing
- Controlled and Critical Environments
- Laboratory and Research



# BioClean™ Sterile Tie-on Face Mask MTA210-1

## TECHNICAL DATA SHEET

### PRODUCT INFORMATION

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Material                   | Polypropylene Polyethylene                                                                                            |
| Audit Standards            | Manufacturing QMS Audit Standards ISO 9001                                                                            |
| Standards                  | ASTM F2101, ISO 2859                                                                                                  |
| Packaging Overview         | One piece per sealed inner PE bag; 50 inner bags per sealed outer PE bag; 10 outer bags per lined carton (500 pieces) |
| Country Of Origin          | China                                                                                                                 |
| Sterilization Method       | Gamma irradiation                                                                                                     |
| Sterilization Minimum Dose | 25kGy                                                                                                                 |
| Sterility Assurance Level  | 10 <sup>-6</sup>                                                                                                      |
| Storage Instructions       | Store in a dry, cool place (<40°C) away from direct sunlight and fluorescent light.                                   |
| Shelf Life                 | Five (5) years from date of manufacture                                                                               |

### PHYSICAL PROPERTIES

|                    |                                                    |
|--------------------|----------------------------------------------------|
| Color              | White                                              |
| String Type        | Ties                                               |
| Overall Dimensions | WIDTH (± 5mm) 210mm<br> HEIGHT (± 5mm) 95mm<br>    |
| Inner Facing Layer | Non-woven polypropylene/polyethylene (hygroscopic) |
| Filtration Layer   | Meltblown polyester                                |
| Outer Layer        | Non-woven spunbonded polyester (hydrophobic)       |
| Fastenings         | Non-woven polypropylene ties                       |
| Noseband           | Plastic coated steel                               |

### PERFORMANCE INFORMATION

|                                 |                                                                      |
|---------------------------------|----------------------------------------------------------------------|
| Cleanroom Class                 | Class 10/ISO Class 4 & EU GMP Grade A/B and other sterile cleanrooms |
| Particle Filtration Efficiency  | 89.3% @0.1 micron                                                    |
| Bacterial Filtration Efficiency | 92.3% @0.3 micron                                                    |
| Viral Filtration Efficiency     | 93.8% @3.0 micron                                                    |
| Differential Pressure           | 3.8mm H <sub>2</sub> O/cm <sup>2</sup>                               |

### ORDERING INFORMATION

|          |             |                  |
|----------|-------------|------------------|
|          | SIZE        | Tie-on Face Mask |
| MTA210-1 | REORDER NO. | MTA210-1         |

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