

## Extra-thin chemical-resistant cleanroom gloves, featuring a robust, tactile three-layer design

- **Specialized protection:** MICROFLEX® 93-360 antistatic cleanroom gloves feature a three-layer design, offering superb protection from harsh chemicals, including acids, bases and various solvents
- **Elevated comfort:** Their extra-soft proprietary formulation combines comfort, tactility and dexterity
- **Reduced allergy risks:** These silicone-free cleanroom gloves' nitrile and neoprene composite is free of latex, preventing the risk of Type I latex allergies
- **Minimized contamination risks:** As these MICROFLEX® gloves come in non-particulating EasyTear packaging, potential contamination risks are also kept to a minimum



### KEY FEATURES & BENEFITS

- **Three-layer design:** Protection against harsh chemical hazards\*
- **Proprietary formulation:** Comfort, tactility and dexterity
- **Nitrile and neoprene composite:** Type I latex allergy risks eliminated

\*including acids, solvents and bases

#### Industries

- Pharmaceutical Manufacturing
- Biotechnology Manufacturing
- Medical Device Manufacturing
- Electronics manufacturing

#### Recommended For

- Clean room cleaning and preparing
- Blending, compounding solids and liquids
- Spill or leakage cleanup
- Transferring liquids and solids
- Loading centrifuges and chromatography columns
- Assembly of parts
- Weighing and dispensing of solid and liquid raw materials

### TECHNICAL DATA SHEET

|                                        | Product Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                               | Nitrile and Neoprene (Polychloroprene)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Color                                  | Teal, Blue                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Shape                                  | Ambidextrous                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Cuff                                   | Beaded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Manufacturing/QMS Audit Standards      | ISO 9001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Regulatory                             | ASTM D6319, CE 0493, EN 421:2010, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, FDA21 CFR 177-2600-US Food Contact Approved, UKCA                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Packaging                              | <p>50 gloves packed in a vacuum-sealed polybag. 1 bag of 50 gloves per master polybag. 10 master polybags inside a poly case liner placed inside a shipper/carton. In total 500 gloves per carton.</p> <p><b>More sustainable packaging:</b> These nitrile and neoprene gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases.</p> <p>*Inner wrap, pouch, bag and liner are made from polyethylene (PE) based film. Always check your local recyclable status as these materials may not be considered suitable for recycling in your location.</p> |
| Storage                                | Keep away from direct sunlight; store in a dry place and keep in the original packaging. Keep away from ozone sources. If products are properly stored, as indicated, they won't lose their performances or change characteristics significantly. If products could be affected by ageing or storage, the expiry date is mentioned on the packaging materials.                                                                                                                                                                                                                                     |
| Country of Origin                      | Sri Lanka                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Available sizes                        | XS (5.5 - 6), S (6.5 - 7), M (7.5 - 8), L (8.5 - 9), XL (9.5 - 10), XXL (10.5 - 11)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Powder Content                         | Powder-Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| External Glove Surface                 | Textured Fingers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Internal Glove Surface                 | Chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cleanroom Class                        | Class 100/ISO 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Shelf Life                             | 5 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Tested for use with Chemotherapy Drugs | Yes, in accordance with ASTM D6978 (Not listed in the US FDA 510k)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Protein Level                          | N/A: contains no natural rubber latex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Anti-static                            | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Physical Properties                          |              |             |             |             |               |                 | Testing Method                     |
|----------------------------------------------|--------------|-------------|-------------|-------------|---------------|-----------------|------------------------------------|
| Sizes                                        | XS (5.5 - 6) | S (6.5 - 7) | M (7.5 - 8) | L (8.5 - 9) | XL (9.5 - 10) | XXL (10.5 - 11) | EN 420,ASTM D3767                  |
| Typical Length (mm/in)                       | ≥ 285 / 11.2 |             |             |             |               |                 |                                    |
| Palm Width (mm/in)                           | 78           | 89          | 98          | 111         | 116           | 122             |                                    |
| Freedom from Holes                           | 0.65 AQL     |             |             |             |               |                 | ASTM D6319-10,ASTM D5151-06 (2011) |
| Target Single Wall Palm Thickness (mm/mil)   | 0.198 / 7.9  |             |             |             |               |                 | EN 420,ASTM D3767                  |
| Target Single Wall Finger Thickness (mm/mil) | 0.20 / 7.9   |             |             |             |               |                 | EN 420/ASTM D3767                  |
| Target Single Wall Cuff Thickness (mm/mil)   | 0.13 / 5.1   |             |             |             |               |                 | EN 420/ASTM D3767                  |
| Ultimate tensile strength (MPa) Before Aging | 22           |             |             |             |               |                 | ASTM D412-06a                      |
| Ultimate tensile strength (MPa) During Aging | 26           |             |             |             |               |                 | ASTM D412-06a                      |
| Force at Break (N) Before Aging              | 16           |             |             |             |               |                 | EN 455-2                           |
| Force at Break (N) During Aging              | ≥ 17         |             |             |             |               |                 | EN 455-2                           |

## IONIC CONTENT

| Concentration in µg/cm² | Typical      | Concentration in µg/cm² | Typical      |
|-------------------------|--------------|-------------------------|--------------|
| Ammonium                | <0.0235      | Nitrate                 | <0.382       |
| Bromide                 | Not Detected | Nitrite                 | Not Detected |
| Calcium                 | <0.361       | Phosphate               | Not Detected |
| Chloride                | <0.238       | Potassium               | <0.022       |
| Fluoride                | Not Detected | Sodium                  | <0.032       |
| Lithium                 | Not Detected | Sulphate                | <0.075       |
| Magnesium               | Not Detected | Zinc                    | <0.021       |

## ORDERING INFORMATION

| SIZE        | XS (5.5 - 6) | S (6.5 - 7) | M (7.5 - 8) | L (8.5 - 9) | XL (9.5 - 10) | XXL (10.5 - 11) |
|-------------|--------------|-------------|-------------|-------------|---------------|-----------------|
| REORDER NO. | 93360060     | 93360070    | 93360080    | 93360090    | 93360100      | 93360110        |

## PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE



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