

## Comfortable nitrile cleanroom gloves, compatible with Class 100 (ISO 5) cleanroom environments

- **Improved protection and durability:** TouchNTuff® 93-300 nitrile cleanroom gloves are comfortable and robust, ensuring strong chemical splash resistance and resistance against punctures and tears
- **Safeguarded product integrity:** These nitrile gloves are entirely silicone-free, preventing potential contaminant transfer and safeguarding product integrity
- **Assured cleanliness:** They are also designed to be compatible with Class 100 (ISO 5) cleanroom environments, delivering hand protection that is reliable and fit for purpose



### KEY FEATURES & BENEFITS

- **Robust nitrile formulation:** Puncture, tear and chemical splash resistance
- **Silicone-free design:** Improved product protection
- **Class 100 (ISO 5) cleanroom compatibility:** Assured cleanliness

### Industries

- Biotechnology 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Color                                  | Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Shape                                  | Ambidextrous                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cuff                                   | Beaded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Manufacturing/QMS Audit Standards      | ISO 13485, ISO 14001, ISO 9001                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Regulatory                             | ASTM D6319, CE 0493, Category III, EN 455 Part 2, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, EN 421:2010, FDA21 CFR 177-2600-US Food Contact Approved, UKCA                                                                                                                                                                                                                                                                                                              |
| Packaging                              | 50 gloves per vacuum sealed polybag; 2 polybags per master polybag; 10 master poly bags per poly lined case<br><br><b>More sustainable packaging:</b> These nitrile gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases.<br>*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. |
| 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                      | Thailand                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Available sizes                        | XS (5.5 - 6), S (6.5 - 7), M (7.5 - 8), L (8.5 - 9), XL (9.5 - 10)                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Powder Content                         | Powder-Free                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| External Glove Surface                 | Textured Fingers                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Internal Glove Surface                 | Powder-Free, Chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cleanroom Class                        | Class 100/ISO 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Shelf Life                             | 3 Years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Tested for use with Chemotherapy Drugs | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Protein Level                          | N/A: contains no natural rubber latex                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Anti-static                            | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Vulcanization Chemical Accelerators    | <ul style="list-style-type: none"> <li>Zinc Dibutyldithiocarbamate (ZDBC)</li> </ul> <p><i>Only a very small number of users may be sensitive to this ingredient(s) and hence may develop irritant and/or allergic contact reactions.</i></p>                                                                                                                                                                                                                                          |

| Physical Properties                                                    |                                        | Testing Method  |
|------------------------------------------------------------------------|----------------------------------------|-----------------|
| Typical Length (mm/in)                                                 | 300 / 12                               | EN ISO 21420    |
| Freedom from Holes                                                     | 1.5 AQL                                | EN 374-2        |
| Typical Particle Count $\geq 0.5\mu\text{m}$ (counts / $\text{cm}^2$ ) | $\leq 1,200$ particles / $\text{cm}^2$ | IENT-RP-CC005.4 |
| Target Single Wall Palm Thickness (mm/mil)                             | 0.13 / 5.1                             | EN 455-2        |
| Target Single Wall Finger Thickness (mm/mil)                           | 0.16 / 6.3                             | EN 455-2        |
| Target Single Wall Cuff Thickness (mm/mil)                             | 0.08 / 3.1                             | EN 455-2        |
| Ultimate tensile strength (MPa) During Aging                           | $\geq 14$                              | ASTM D412-06a   |
| Force at Break (N) During Aging                                        | $\geq 9$                               | EN 455-2        |

## ORDERING INFORMATION

| SIZE        | XS (5.5 - 6) | S (6.5 - 7) | M (7.5 - 8) | L (8.5 - 9) | XL (9.5 - 10) |
|-------------|--------------|-------------|-------------|-------------|---------------|
| REORDER NO. | 93300060     | 93300070    | 93300080    | 93300090    | 93300100      |

## PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE



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