

## Non-sterile accelerator-free cleanroom gloves, made from soft, yet durable, nitrile

- **Assured cleanliness:** Nitrilite™ 93-401 protective gloves are specially designed for use in Class 10 (ISO 4) cleanroom environments
- **Improved product protection:** Made from a soft, yet durable, nitrile formulation, these cleanroom gloves are also low in ionic content and feature low particulate levels, for assured product protection
- **Reduced allergy risks:** In addition, these nitrile gloves are free of latex proteins and chemical accelerators, eliminating the risk of Type I and Type IV allergic reactions



### KEY FEATURES & BENEFITS

- ◊ **Class 10 (ISO 4) cleanroom compatibility:** Assured cleanliness
- ◊ **Low ionic content and particulate levels:** Superb product protection
- ◊ **Latex-free, accelerator-free:** Type I and Type IV allergy risks eliminated

#### Industries

- Biotechnology Manufacturing
- Medical Device Manufacturing
- Electronics manufacturing

#### Recommended For

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

## TECHNICAL DATA SHEET

|                                        | Product Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                               | Nitrile                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Color                                  | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Shape                                  | Ambidextrous                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Cuff                                   | Beaded                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Manufacturing/QMS Audit Standards      | ISO 9001:2015                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Regulatory/Standard Compliance         | Category III, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, UKCA                                                                                                                                                                                                                                                                                                                                                                                                           |
| Packaging                              | 50 gloves per inner bag ; 2 inner bags per master polybag ; 10 master polybags per (1000 gloves) per lined carton.<br><br><b>More sustainable packaging:</b> These non-sterile gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases.<br>*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.                                                                                                                        |
| 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                 | Powder-Free, Chlorinated                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Cleanroom Class                        | Class 10/ISO 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Shelf Life                             | 5 Years                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Tested for use with Chemotherapy Drugs | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Protein Level                          | Not Applicable: contains no natural rubber latex                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Vulcanization Chemical Accelerators    | <ul style="list-style-type: none"> <li>None</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                |

# Nitrilite®

## 93-401

### Non-sterile Disposable Nitrile Cleanroom Glove

| Physical Properties                                                    |             | Testing Method          |
|------------------------------------------------------------------------|-------------|-------------------------|
| Typical Length (mm/in)                                                 | 300 / 11.8  | EN ISO 21420 ASTM D3767 |
| Freedom from Holes                                                     | 1.5 AQL     | EN 374-2                |
| Typical Particle Count $\geq 0.5\mu\text{m}$ (counts / $\text{cm}^2$ ) | < 400       | IENT-RP-CC005.4         |
| Target Single Wall Palm Thickness (mm/mil)                             | 0.11 / 4.33 | EN ISO 21420/ASTM D3767 |
| Target Single Wall Finger Thickness (mm/mil)                           | 0.16 / 6.29 | EN ISO 21420/ASTM D3767 |
| Target Single Wall Cuff Thickness (mm/mil)                             | 0.08 / 3.15 | EN ISO 21420/ASTM D3767 |

## IONIC CONTENT

| Concentration in $\mu\text{g}/\text{cm}^2$ | Typical | Concentration in $\mu\text{g}/\text{cm}^2$ | Typical |
|--------------------------------------------|---------|--------------------------------------------|---------|
| Calcium                                    | <0.300  | Potassium                                  | <0.020  |
| Chloride                                   | 0.200   | Sodium                                     | <0.050  |
| Lithium                                    | <0.0001 | Sulphate                                   | <0.010  |
| Magnesium                                  | <0.001  | Zinc                                       | <0.050  |
| Nitrate                                    | <0.100  |                                            |         |

## PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE



For additional information visit us at [www.ansell.com](http://www.ansell.com), or call us at

#### Europe, Middle East & Africa Region

Ansell Healthcare Europe NV  
T: +32 (0) 2 528 74 00  
F: +32 (0) 2 528 74 01

#### Asia Pacific Region

Ansell Global Trading Center  
T: +603 8310 6688  
F: +603 8310 6699

#### North America Region

Ansell Healthcare Products LLC  
US T: +1 800 800 0444  
US F: +1 800 800 0445  
CA T: +1-800-363-8340

#### Latin America & Caribbean Region

Ansell Commercial Mexico S.A. de C.V.  
T: +52 442 248 1544 / 248 3133

#### Australia

Ansell Limited  
T: +61 1800 337 041  
F: +61 1800 803 578

#### UK

Ansell Nitritex  
T: +44 1638 663338  
F: +44 1638 668890

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