

## Sterile polyisoprene gloves, designed for Class 100 (ISO 5)/Grade A cleanroom environments

- **Elevated comfort:** Ideal for double gloving, TouchNTuff™ 83-500 polyisoprene cleanroom gloves' ultra-soft polyisoprene offers "second skin"-like comfort and minimizes hand fatigue with prolonged wear
- **Reduced allergy risks:** They contain no latex proteins, meaning they do not pose any threat related to Type I latex allergies and sensitivities
- **Sterility assurance:** These disposable gloves are sterilized by gamma irradiation, with a sterility assurance level (SAL) of 10<sup>-6</sup>



### KEY FEATURES & BENEFITS

- ◊ **Ultra-soft polyisoprene:** "Second skin" comfort and feel
- ◊ **Latex-free design:** Latex Type I allergy risks eliminated
- ◊ **Gamma sterilization:** A sterility assurance level (SAL) of 10<sup>-6</sup>

### Industries

- Laboratory Maintenance & Clean-Up
- Pharmaceutical Manufacturing
- Biotechnology Manufacturing
- Medical Device Manufacturing
- Laboratory Research and Development
- Controlled and Critical Environments
- Production and Manufacturing

### Recommended For

- Clean room cleaning and preparing
- Spill or leakage cleanup
- Transferring liquids and solids
- Sample taking and processing
- Transferring liquids and solids between vessels and tanks and process equipment
- Maintaining lab furniture and equipment
- Packaging and labeling
- Administering drugs



## TECHNICAL DATA SHEET

|                                        | Product Information                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material                               | Polyisoprene                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Color                                  | White                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Shape                                  | Anatomic with Curved Fingers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cuff                                   | Beaded with SUREFIT™ Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Manufacturing/QMS Audit Standards      | ISO 13485, ISO 9001:2015, Manufacturing QMS Audit Standards ISO 9001, PPE Regulation 2016 425 Module D                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Regulatory/Standard Compliance         | AS/NZS 4179, ASTM D3577, ASTM D7160, CE 0493, EN 556-1:2001, EN ISO 21420:2020, EN ISO 374-1:2016 Type B (KPT), EN ISO 374-5:2016, EN 421:2010, Please consult the IFU, ISO 10282, ISO 11193, Category III, UKCA                                                                                                                                                                                                                                                                                                                                                                  |
| Packaging                              | <p>1 pair of gloves per inner wallet, 1 inner wallet per inner polybag, 10 inner polybags per outer polybag, 5 outer polybags per plain polybag, 4 plain polybags (200 pairs) per lined carton</p> <p><b>More sustainable packaging:</b> These sterile 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.                                                                                                                                                                                                                    |
| Available sizes                        | 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| External Glove Surface                 | Smooth                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Internal Glove Surface                 | Polymer Coated with DERMASHIELD™ Technology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Sterilization Method                   | GAMMA irradiation (25 kGy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Cleanroom Class                        | Class 100/ISO 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Shelf Life                             | 5 Years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tested for use with Chemotherapy Drugs | Yes, in accordance with ASTM D6978                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Level                          | Not Applicable: contains no natural rubber latex                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Anti-static                            | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

# TouchNTuff™

## 83-500

Sterile Disposable Polyisoprene  
Cleanroom Glove

| Physical Properties                                          |             | Testing Method      |
|--------------------------------------------------------------|-------------|---------------------|
| Typical Length (mm/in)                                       | 295 / 11.6  | EN 420/ASTM D3767   |
| Freedom from Holes                                           | 0.65 AQL    | EN 455-1/ASTM D3577 |
| Typical Particle Count<br>≥0.5µm (counts / cm <sup>2</sup> ) | ≤ 2500      | IEST-RP-CC005.4     |
| Target Single Wall Palm Thickness (mm/mil)                   | 0.21 / 8.27 | EN 420/ASTM D3767   |
| Target Single Wall Finger Thickness (mm/mil)                 | 0.23 / 9.10 | EN 420/ASTM D3767   |
| Target Single Wall Cuff Thickness (mm/mil)                   | 0.16 / 6.30 | EN 420/ASTM D3767   |
| Force at Break (N)<br>Before Aging                           | 9           | EN 455-2            |
| Force at Break (N)<br>During Aging                           | 9           | EN 455-2            |

## ORDERING INFORMATION

| SIZE        | 5.5      | 6        | 6.5      | 7        | 7.5      | 8        | 8.5      | 9        |
|-------------|----------|----------|----------|----------|----------|----------|----------|----------|
| REORDER NO. | 83500055 | 83500060 | 83500065 | 83500070 | 83500075 | 83500080 | 83500085 | 83500090 |

## 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

## Technology



Pinhole Barrier Technology



Ergonomic Design Technology



Cuff Roll-down Technology



Donning Aid Technology



Skin-friendly, non-sensitizing  
PI Technology

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