

## 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
- Preparation of Materials
- Production & Processing
- Lab and R&D
- Controlled and Critical Environments
- Production and Manufacturing

### Recommended For

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



### TECHNICAL DATA SHEET

	Product Information
Material	PI (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	AS/NZS 4179, ASTM D3577, ASTM D7160, CE 0493, EN 556-1:2001, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, EN 421:2010, Please consult the IFU, ISO 10282, ISO 11193, Category III
Packaging	1 pair per inner polybag; 10 pairs per outer polybag; 5 polybags per master polybags; 4 master polybags per carton; 200 pairs per carton
Storage	Keep out of direct sunlight; store in a cool and dry place. Keep away from sources of ozone or ignition.
Country of Origin	Malaysia
Available sizes	5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9
Powder Content	Powder-Free
External Glove Surface	Smooth
Internal Glove Surface	Polymer Coated with DERMASHIELD™ Technology
Sterilization Method	GAMMA irradiation (25 kGy)
Cleanroom Class	Class 100/ISO Class 5 & EU GMP Grade A/B and other sterile cleanrooms
Shelf Life	5 Years
Tested for use with Chemotherapy Drugs	Yes
Protein Level	N/A: contains no natural rubber latex
Anti-static	Not Tested

Physical Properties		Testing Method
Typical Length (mm/in)	300 / 12	EN 420/ASTM D3767
Freedom from Holes	0.65 AQL	EN 455-1/ASTM D3577
Typical Particle Count ≥0.5µm (counts / cm²)	≤ 2500	IENT-RP-CC005.4
Target Single Wall Palm Thickness (mm/mil)	0.21 / 8.26	EN 420/ASTM D3767
Target Single Wall Finger Thickness (mm/mil)	0.23 / 9.05	EN 420/ASTM D3767
Target Single Wall Cuff Thickness (mm/mil)	0.17 / 6.69	EN 420/ASTM D3767
Ultimate tensile strength (MPa) Before Aging	≥17	ASTM D412-06a
Ultimate tensile strength (MPa) During Aging	≥12	ASTM D412-06a
Force at Break (N) Before Aging	9	EN 455-2
Force at Break (N) 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



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## Technology



Pinhole Barrier Technology



Ergonomic Design Technology



Cuff Roll-down Technology



Donning Aid Technology



Skin-friendly, non-sensitizing  
PI Technology