TouchNTuff®
ADVANCED PRODUCT & WORKER PROTECTION

83-500
Sterile Disposable Polyisoprene Cleanroom Glove

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 10-6

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 10-6

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

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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/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
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 More sustainable packaging: These sterile gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases. *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 out of direct sunlight; store in a cool and dry place. Keep away from sources of ozone or ignition.
Country of Origin	Sri Lanka
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	No

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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 / cm^2)	≤ 2500	IEST-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

CE 0493 EN ISO 374-5 VIRUS EN 421

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Technology

A.R.T™ Pinhole Barrier Technology
DERMASHIELD™ Donning Aid Technology
ERGOFORM™ Ergonomic Design Technology
PI-KARE™ Skin-friendly, non-sensitizing PI Technology
SUREFIT™ Cuff Roll-down Technology

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