

## Comfortable sterile nitrile disposable gloves, made for Class 100 (ISO 5) cleanroom environments

- **Heightened protection and durability:** TouchNTuff® 93-700 cleanroom gloves' unique nitrile formulation ensures comfort, durability and protection against chemical splashes
- **Sterility assurance:** These protective gloves are sterilized by gamma irradiation, ensuring them a sterility assurance level (SAL) of 10<sup>-6</sup>
- **Assured product integrity:** In addition, they are silicone-free, lowering the risk of contaminant transfer that may compromise product integrity



### KEY FEATURES & BENEFITS

- **Proprietary nitrile formulation:** Durability and chemical splash protection
- **Gamma sterilization:** A sterility assurance level (SAL) of 10<sup>-6</sup>
- **Silicone-free:** Assured product protection

### 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 9001:2015
Regulatory/Standard Compliance	ASTM D6978, Category III, CE 0493, EN 455 Part 2, EN ISO 21420:2020, EN ISO 374-1:2016 Type B (JKPT), EN ISO 374-1:2016, EN ISO 374-5:2016, EN 421:2010, FDA21 CFR 177-2600-US Food Contact Approved, Food Type: Rubber, ISO 14001, UKCA
Packaging	1 pair/poly wallet sealed in a poly envelope; 10 pairs/outer polybag; 5 sealed outer polybags/master polybag; 4 sealed master polybags/lined carton/case; 200 pairs/carton(case).  <b>More sustainable packaging:</b> These sterile nitrile 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 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
Sterilization Method	GAMMA irradiation (25 kGy)
Cleanroom Class	Class 100/ISO 5
Shelf Life	3 Years
Tested for use with Chemotherapy Drugs	Yes, in accordance with ASTM D6978 (Not listed in the US FDA 510k)
Protein Level	N/A: contains no natural rubber latex
Anti-static	Yes
Vulcanization Chemical Accelerators	<ul style="list-style-type: none"> <li>Zinc Mercaptobenzothiozole (ZMBT)</li> <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)	0.17 / 4.3	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	Min. 6	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.	93700060	93700070	93700080	93700090	93700100

## PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE



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