Nitrilite®

93-311

Non-sterile Disposable Nitrile Cleanroom Glove

Non-sterile, accelerator-free nitrile cleanroom gloves, compatible with Class 100 (ISO 5) environments

- **Assured cleanliness:** Nitrilite™ 93-311 non-sterile gloves are specially designed for compatibility with Class 100 (ISO 5) cleanroom environments
- **Reduced allergy risks:** These cleanroom gloves are also free from latex proteins and chemical accelerators, reducing the susceptibility to Type I or Type IV allergic reactions
- **Heightened tactility:** Thanks to their optimally thick design, these silicone-free gloves ensure high levels of tactile sensitivity, making them ideal for precision handling

KEY FEATURES & BENEFITS

- **Class 100 (ISO 5) cleanroom compatibility:** Assured cleanliness
- **Latex-free nitrile formulation:** Type I latex allergy risks eliminated
- **No chemical accelerators:** Lower susceptibility to Type IV allergies and sensitivities

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

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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+A1:2018, EN ISO 374-5:2016, FDA21 CFR 177-2600-US Food Contact Approved, ISO 14001, UKCA
Packaging	50 gloves per inner bag; 2 inner bags per master polybag; 10 master polybags per (1000 gloves) per lined carton. **More sustainable packaging:** These non-sterile gloves are packed in recyclable plastic packaging* and delivered in recycled cardboard shipper cases. *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)
Powder Content	Powder-Free
External Glove Surface	Textured Fingers
Internal Glove Surface	Powder-Free, Chlorinated
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
Vulcanization Chemical Accelerators	• None

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Physical Properties					Testing Method
Sizes	S (6.5 - 7)	M (7.5 - 8)	L (8.5 - 9)	XL (9.5 - 10)	EN ISO 21420 ASTM D3767
Typical Length (mm/in)	300 / 11.8				
Palm Width (mm/in)	90 / 3.5	99 / 3.9	105 / 4.1	115 / 4.5	
Freedom from Holes	2.5 AQL				EN 374-2
Typical Particle Count ≥0.5µm (counts / cm^2)	< 2400				IEST-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)	0.17 / 6.69				EN ISO 21420/ASTM D3767
Target Single Wall Cuff Thickness (mm/mil)	0.09 / 2.29				EN ISO 21420/ASTM D3767

IONIC CONTENT

Concentration in µg/cm^2	Typical	Concentration in µg/cm^2	Typical
Ammonium	0.005	Nitrate	<0.500
Calcium	<0.500	Potassium	<0.050
Chloride	<0.600	Sodium	<0.500
Fluoride	0.003	Sulphate	<0.200
Lithium	<0.0004	Zinc	<0.300
Magnesium	<0.050		

ORDERING INFORMATION

SIZE	S (6.5 - 7)	M (7.5 - 8)	L (8.5 - 9)	XL (9.5 - 10)
REORDER NO.	93311070	93311080	93311090	93311100

PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE

EN ISO 374-1:2016 Type B JKT

EN ISO 374-5 VIRUS

UK CA

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