Nitrilite®

93-401

Non-sterile Disposable Nitrile Cleanroom Glove

Non-sterile accelerator-free cleanroom gloves, made from soft, yet durable, nitrile

- **Assured cleanliness:** Nitrilite™ 93-401 protective gloves are specially designed for use in Class 10 (ISO 4) cleanroom environments
- **Improved product protection:** Made from a soft, yet durable, nitrile formulation, these cleanroom gloves are also low in ionic content and feature low particulate levels, for assured product protection
- **Reduced allergy risks:** In addition, these nitrile gloves are free of latex proteins and chemical accelerators, eliminating the risk of Type I and Type IV allergic reactions



KEY FEATURES & BENEFITS

- **Class 10 (ISO 4) cleanroom compatibility:** Assured cleanliness
- **Low ionic content and particulate levels:** Superb product protection
- **Latex-free, accelerator-free:** Type I and Type IV allergy risks eliminated

Industries

- Biotechnology Manufacturing
- Medical Device 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

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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	Category III, EN ISO 21420:2020, EN ISO 374-1:2016, EN ISO 374-5:2016, FDA21 CFR 177-2600-US Food Contact Approved
Packaging	50 gloves per inner bag ; 2 inner bags per master polybag ; 10 master polybags per (1000 gloves) per liner bag
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	Malaysia
Available sizes	XS (5-5.5), S (6-6.5), M (7-7.5), L (8-8.5), XL (9-9.5), XXL (10-10.5)
Powder Content	Powder-Free
External Glove Surface	Textured Fingers
Internal Glove Surface	Powder-Free, Chlorinated
Cleanroom Class	Class 10/ISO 4
Shelf Life	5 Years
Tested for use with Chemotherapy Drugs	Yes
Protein Level	N/A: contains no natural rubber latex
Anti-static	Yes EN1149
Vulcanization Chemical Accelerators	• None

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Physical Properties		Testing Method
Typical Length (mm/in)	300 / 12	EN ISO 21420 ASTM D3767
Freedom from Holes	1.5 AQL	EN 455-1/ASTM D3577
Typical Particle Count ≥0.5µm (counts / cm^2)	< 400 particles / cm^2	IEST-RP-CC005.4
Target Single Wall Palm Thickness (mm/mil)	0.11 / 4.3	EN ISO 21420/ASTM D3767
Target Single Wall Finger Thickness (mm/mil)	0.16 / 6.3	EN ISO 21420/ASTM D3767
Target Single Wall Cuff Thickness (mm/mil)	0.08 / 3.2	EN ISO 21420/ASTM D3767
Ultimate tensile strength (MPa) Before Aging	≥ 18	ASTM D412-06a
Ultimate tensile strength (MPa) During Aging	N/A	ASTM D412-06a

IONIC CONTENT

Concentration in µg/cm^2	Typical	Concentration in µg/cm^2	Typical
Calcium	0.175	Potassium	0.006
Chloride	N/A	Sodium	0.012
Lithium	0.0001	Sulphate	0.004
Magnesium	0.001	Zinc	0.017
Nitrate	0.048		

PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE

EN ISO 374-1:2016 Type B JKT

EN ISO 374-5 VIRUS

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