# Nitrilite®

**93-401** Non-sterile Disposable Nitrile Cleanroom Glove

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

- Assured cleanliness: Nitrilite<sup>™</sup> 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



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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 / cm²)	< 400 particles / cm²	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 <sup>2</sup>	Typical	Concentration in µg/cm <sup>2</sup>	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			

### **ORDERING INFORMATION**

SIZE	XS (5-5.5)	S (6-6.5)	M (7-7.5)	L (8-8.5)	XL (9-9.5)	XXL (10-10.5)
REORDER NO.	365757	365758	365759	365760	365761	365772

### PERFORMANCE STANDARDS AND REGULATORY COMPLIANCE



#### For additional information visit us at www.ansell.com, or call us at

### Europe, Middle East & Africa Region North America Region Ansell Healthcare Europe NV T: +32 (0) 2 528 74 00 F: +32 (0) 2 528 74 01

Asia Pacific Region Ansell Global Trading Center T: +603 8310 6688 F: +603 8310 6699 Ansell Healthcare Products LLC US T: +1 800 800 0444 US F: +1 800 800 0445 CA T: +1-800-363-8340

Latin America & Caribbean Region

Ansell Commercial Mexico S.A. de C.V. T: +52 442 248 1544 / 248 3133

### Australia Ansell Limited T: +61 1800 337 041 F: +61 1800 803 578

UK

Ansell Nitritex T: +44 1638 663338 F: +44 1638 668890

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