



Nitrile

Low allergy potential and reliable protection for clean environments

Nitrilite® 93-401 is a non-sterile accelerator free nitrile glove with very low levels of ionic content and particles for reliable product protection. Designed for use in Class 10 (ISO 4) clean room environments.

- Compatible with Class 10 (ISO 4)
- Very low levels of ionic content and particulate for excellent product protection
- Nitrile formulation free of latex proteins and accelerators to avoid susceptibility of Type I or IV allergic reactions



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

TECHNICAL DATA SHEET

PRODUCT INFORMATION

	93-401
Material	Nitrile
Color	Natural
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 out of direct sunlight; store in a cool and dry place. Keep away from sources of ozone or ignition.
Country of Origin	Malaysia
Available sizes	S (6-6.5), M (7-7.5), L (8-8.5), XL (9-9.5), XXL (10-10.5), XS (5-5.5)
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	No
Protein Level	N/A: contains no natural rubber latex
Anti-static	Yes
Vulcanization Chemical Accelerators	<ul style="list-style-type: none"> None

PHYSICAL PROPERTIES

	Typical Values		Testing Method
Length (mm/in)	300 / 12		EN 420/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 420/ASTM D3767
Target Single Wall Finger Thickness (mm/mil)	0.13 / 5.1		EN 420/ASTM D3767
Target Single Wall Cuff Thickness (mm/mil)	0.08 / 3.1		EN 420/ASTM D3767
	Before Ageing	During Ageing	
Ultimate tensile strength (MPa)	≥ 18	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		

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)
93-401	REORDER NO.	93401055	93401065	93401075	93401085	93401095	93401105

Performance Standards and Regulatory Compliance

