



## PRODUCT

# PRINCIPLE Nitrile Gloves

## TECHNICAL DATASHEET

## DESCRIPTION

Integrity Cleanroom PRINCIPLE Nitrile Gloves are ambidextrous, with a beaded cuff which has been designed for extra protection. The textured surface and enhanced grip makes these nitrile gloves ideal for handling delicate items.

Our gloves are powder and latex free, assisting in reducing the risk of an allergic reaction.

## FEATURES

- Class 100/ISO 5
- 100% Nitrile Butadiene Rubber
- Length: 305mm / 12 inch
- Powder free and latex free
- Beaded cuff with textured fingers
- White
- 5 year shelf life from manufacture

PRODUCT CODE	DESCRIPTION	SIZE	LENGTH (INCH)	QUANTITY
602-0410	PRINCIPLE Non-Sterile Nitrile Glove	S	12	100 pcs/pack
602-0411	PRINCIPLE Non-Sterile Nitrile Glove	M	12	100 pcs/pack
602-0412	PRINCIPLE Non-Sterile Nitrile Glove	L	12	100 pcs/pack
602-0413	PRINCIPLE Non-Sterile Nitrile Glove	XL	12	100 pcs/pack

## SPECIFICATIONS

PROPERTIES	RESULT
Surface	Finger textured
Colour	White
Length	305mm / 12 inch
Thickness	5.0 mil (±1)
Tensile strength	Min 15 Mpa
Elongation	600%
Packing style	100 pcs per bag   10 bags per carton (1000 pcs in total)
Physical Properties	Meets the requirements of the Glove Standard EN420:2003+A1:2009 and the European Medical Gloves Standard EN455 (Parts 1, 2, 3, 4) & EN374:-2016 (Part 1, 2, 3, 4 and 5). Product fulfils the cleanroom specifications of nitrile gloves as per ISO 23464:2020.
AQL	AQL 1.5

To request a quotation or for more information, please call **+44 (0)1473 836205**  
email [info@integritycleanroom.co.uk](mailto:info@integritycleanroom.co.uk) or visit [www.integritycleanroom.co.uk](http://www.integritycleanroom.co.uk)

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## CONTD.

PROPERTIES	RESULT
Material	100% Nitrile Butadiene Rubber
Shelf life	Five (5) years from date of manufacture
Storage instructions	Store in a cool dry place (< 40°C) away from direct light sources
Batch Traceability	The traceability numbers are shown on the sealed inner PE bag and the carton
Liquid Particle Counts (as determined by IES-RP-C005.4)	< 1200 particle counts cumulative at 0.5micron
Organics (IES-RP-CC005.4)	Silicone Oil Free, detected by FTIR Spectroscopy
Non-Volatile Residue	<10 microgram/ sq. cm
ESD Parameters (ASTM D-257)	Surface Resistance - $\leq 10E10$ Ohms/sq. Decay Time (Sec) - $\leq 0.5$ Tribo Charge (Volts) - $\leq 20$
Dimension Criteria	Length: $305 \pm 10$ mm Palm Width: 80-89 to 110-116 mm  Single Wall thickness: Finger thickness: $0.13 \pm 0.03$ mm Palm thickness: $0.10 \pm 0.02$ mm Cuff thickness: $0.06 \pm 0.02$ mm

### Ionic Burden (microgram/ sq cm) (as determined by IES-RP-C005.4)

Fluoride	<0.030	Sulphate	<0.800
Chloride	<1.200	Nitrate	<1.000
Phosphate	<0.800	Bromide	<0.050
Sodium	<0.050	Magnesium	<0.004
		Potassium	<0.050

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