

In House Specification
12" Powder Free Clean Process Nitrile Gloves (4.5g)

PRODUCT INFORMATION

1. Material : NBR (Nitrile Butadiene Rubber)
2. Design and Feature : Ambidextrous, straight fingers, finger-textured, textured or smooth and beaded.
3. Color : Translucent White

4. Particle Count ($\geq 0.5 \mu$, count/cm²)
 (Tested in accordance to IEST-RP-CC-005.4)

Specification	Typical value
≤ 3500 counts/cm ²	<3000 counts/cm ²

5. Trace Elements
 (Tested in accordance to IEST-RP-CC-005.4)

Trace elements (symbol)	Specification (mg/g)	Typical Value (mg/a)
Flouride [F] ion	0.050	ND
Chloride [Cl] ion	0.350	0.257
Nitrite [NO ₂] ion	0.050	ND
Bromide [Br] ion	0.050	ND
Nitrate [NO ₃] ion	0.250	0.222
Phosphate [PO ₄] ion	0.050	ND
Sulphate [SO ₄] ion	0.500	0.041
Lithium [Li] ion	0.050	ND
Potassium [K] ion	0.150	0.026
Sodium [Na] ion	0.150	0.018
Ammonium [NH ₄] ion	0.150	0.003
Calcium [Ca] ion	1.000	0.632
Magnesium [Mg] ion	0.150	0.004

Remark: ND= 0.001 μ g/cm²

6. Surface Resisitivity Test
 (Tested in accordance to ANSI ESD SP 15.1) : $10^8 - 10^{10}$ Ω /sq

7. Triboelectric charge test, voltage(v) : Before Friction: < 150V
 After Frictio: < 300V

8. Cooper Corrosion Test : No Visible Discoloration

9. Static Decay (1000 v -100 v) : less than 3.0 sec

10. FTIR
 (Tested in accordance to IES - RP - CC - 005.2) : No Silicone, amide and DOP detected

11. Non-volatile residue (NVR)
 (Tested in accordance to IES - RP - CC - 005.4) : ≤ 30 mg/g.

12. Dimensions
 (Inspection Level S2,AQL 4.0)
 Tested in accordance to ASTM D6319)

Glove size	Palm width (mm)- ASTM Standard	Lengths (mm)-Specification
XS	70 \pm 10	All sizes, Min 290
S	80 \pm 10	
M	95 \pm 10	
L	110 \pm 10	
XL	120 \pm 10	

13. Thickness
 (Inspection Level S2,AQL 4.0)
 Tested in accordance to ASTM D6319)

Location of thickness measurements	Specification (mm)	Typical Value (mm)
Finger (at 13 \pm 3mm from fingertip)	Min 0.09	min 0.10
Palm (at center of palm)	Min 0.07	min 0.08
Cuff (at 25 \pm 5mm from cuff edge)	Min 0.05	min 0.06

14. Physical Properties
 (Inspection Level S2,AQL 4.0)
 Tested in accordance to ASTM D6319)

Tensile Strength (MPa)	Before aging	After aging
Specification	min. 14	min. 14
Typical Value	> 21	> 25

Ultimate Elongation (%)	Before aging	After aging
Specification	min. 500	min. 400
Typical Value	> 700	> 600

15. Glove Weight
 (Weight for internal Reference only)

Glove size	Weight (gm)
XS	3.5g \pm 0.2
S	4.0g \pm 0.2
M	4.5g \pm 0.2
L	5.0g \pm 0.2

16. Packaging : 100 \pm 2 pieces of gloves perpolybags.
 10 or 20 polybags in shipping case

17. Certificate of Conformance : A Certificate of Release (COA) is available upon request.

18. Quality Assurance : Meet or exceed ASTM D6319 on water leak & dimension.
 Manufactured under GMP, ISO 9001 and ISO 13485.

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