



VWR® PROTECTION NITRILE GLOVES

Quality Tested According
to ASTM, FTMS, and
IEST Standards

Provide Comfort, Protection,
and Tactile Sensitivity

Yield Exceptionally Low
Particle Counts

Highly Resistant to Permeation





30.5cm (12") length and 5mil average thickness enhance coverage and protection

VWR® Protection Nitrile Gloves

- Provide reliable, durable, and comfortable hand protection during demanding cleanroom applications
- Textured fingers enhance grip on components
- Tapered, beaded cuff provides secure fit
- Static-dissipative to inhibit harmful static discharge
- Silicone-free material minimizes ionic contaminants and nonvolatile residue (NVR) transfer
- Contain no natural rubber latex*
- AQL level of 1.5 for pinholes
- For single use
- Color: white

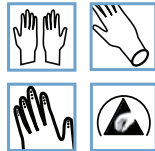
VWR Protection Nitrile Gloves are manufactured from a synthetic copolymer of acrylonitrile, butadiene, and methylacrylic acid (components that comply with FDA CFR 21). These gloves exhibit high tensile strength and strong permeation resistance against a wide variety of solvents, acids, and bases. Non-staining, non-smudging gloves reduce the risk of contamination to parts or components being handled by the user, even during prolonged wear.

To support cleanroom donning protocol, gloves are double-bagged in sealed polyethylene cleanroom bags (100 per bag, 10 bags per carton liner). Each carton is double-walled. IPA-resistant ink is used on bag and carton labels.

Gloves are rigorously tested and manufactured in an ISO Certified facility under stringent process controls to ensure that each product meets exacting quality standards and performs to specification. Our products are lot controlled and validated through independent lab testing.

***These gloves present minimal risk of causing allergic reactions. They do not contain any protein similar to latex and have undergone multiple vigorous rinsings in both hot and cold DI water during the manufacturing process, greatly reducing residual exposure to chemical compounds that may cause allergic reactions upon contact.**

VWR® Advanced Protection Class 100 Nitrile Gloves



Size	Cat. No.	Case of
X-Small	89130-834	1000
Small	89130-836	1000
Medium	89130-838	1000
Large	89130-840	1000
X-Large	89130-842	1000
XX-Large	89130-844	1000

Recommended for ISO Class 5 (FED-STD-209E Class 100/M3.5) or higher cleanrooms.

VWR® Maximum Protection Class 10 Nitrile Gloves



Size	Cat. No.	Case of
X-Small	89130-848	1000
Small	89130-846	1000
Medium	89130-850	1000
Large	89130-852	1000
X-Large	89130-854	1000
XX-Large	89130-856	1000

Recommended for ISO Class 4 (FED-STD-209E Class 10/M2.5) or higher cleanrooms.

Icon Legend



Ambidextrous



Beaded Cuff



Textured Fingers



Anti-Static

To order, contact your VWR Sales Representative, visit VWR.com, or call **1.800.932.5000** today.

Technical Data for VWR® Protection Nitrile Gloves

Parameter	X-Small	Small	Medium	Large	X-Large	XX-Large
DIMENSIONS						
Overall Length (mm)	290–310	290–310	290–310	290–310	290–310	290–310
Palm Width (mm)	70–80	80–90	90–100	100–110	110–120	120–130
Total Surface Area (cm ² , ±5%)	910	1037	1147	1208	1330	1346
Weight (g)	5.0–6.0	5.5–6.5	6.0–7.0	6.5–7.5	7.0–8.0	7.5–8.5
Finger Length (mm)						
Thumb	54	57	58	65	67	69
Index Finger	65	70	75	79	82	83
Middle Finger	75	79	85	90	91	92
Ring Finger	67	74	77	79	81	83
Small Finger	47	55	58	63	64	65
Thickness, mm (mil)						
Finger	0.10–0.20 (5.9)	0.10–0.20 (5.9)	0.10–0.20 (5.9)	0.10–0.20 (5.9)	0.10–0.20 (5.9)	0.10–0.20 (5.9)
Palm	0.10–0.15 (4.9)	0.10–0.15 (4.9)	0.10–0.15 (4.9)	0.10–0.15 (4.9)	0.10–0.15 (4.9)	0.10–0.15 (4.9)
Cuff	0.08–0.12 (3.9)	0.08–0.12 (3.9)	0.08–0.12 (3.9)	0.08–0.12 (3.9)	0.08–0.12 (3.9)	0.08–0.12 (3.9)

Test Item	Result	Test Standard
PHYSICAL PROPERTIES		
Tensile Strength (MPa)	≥18	ASTM D412
Modulus at 300% (MPa)	≤9	
Ultimate Elongation (%)	≥500	

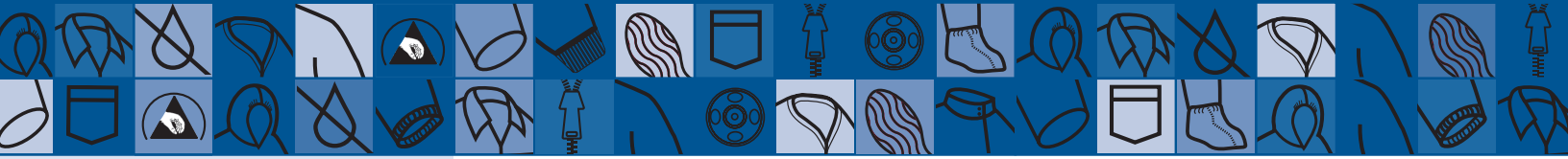
STATIC-DISSIPATIVE PROPERTIES		
Surface Resistivity (Max. Ohms at 50% RH)	1 x 10 ¹¹	ASTM D257, ESD S11.11
Electrostatic Decay (Max. Seconds at 50% RH)	2	FTMS 101C-4046

BARRIER PROPERTY		
Freedom from Holes (AQL)	1.5	ASTM D5151

Test Item	Result	Test Item	Result	Test Standard
CLEANLINESS PROPERTIES				
	Class 100	Class 10	Class 100	Class 10
Particles (Max. ≥0.5µm/cm ²)	1500	400	—	—
IEST-RP-CC005.3				
Extractables (Max. µg/cm ²)			Extractables (Max. µg/cm ²)	
Aluminum, Al ³⁺	0.010	0.010	Magnesium, Mg ²⁺	0.010
Ammonium, NH ⁴⁺	0.005	0.050	Nickel, Ni ²⁺	0.005
Bromide, Br	0.010	0.005	Nitrate, NO ₃ ⁻	0.500
Calcium, Ca ²⁺	0.500	0.300	Nitrite, NO ₂ ⁻	0.010
Chloride, Cl ⁻	0.600	0.150	Phosphate, PO ₄ ²⁻	0.010
Chromium, Cr ⁶⁺	0.005	0.005	Potassium, K ⁺	0.100
Copper, Cu ²⁺	0.0004	0.0004	Silicone, Amide, and Dioctylphthalate*	Not Detected
Ferrous, Fe ²⁺	0.010	0.010	Sodium, Na ⁺	0.200
Fluoride, F ⁻	0.010	0.005	Strontium, Sr ²⁺	0.005
Isopropanol	5.000	5.000	Sulfate, SO ₄ ²⁻	0.200
Lead, Pb ²⁺	0.005	0.005	Tin, Sn ⁴⁺	0.005
Lithium, Li ⁺	0.010	0.001	Zinc, Zn ²⁺	0.100
IEST-RP-CC005.3				

*By Fourier Transform Infrared Spectroscopy.

VWR® PROTECTION APPAREL



Head-to-Toe Protection for Your Environment

The competitively priced VWR Protection Apparel portfolio has been engineered to meet the demands of cleanrooms, critical environments, manufacturing facilities, research and clinical labs, and other specialized environments.

This complete head-to-toe collection of single-use apparel offers comfort, durability, and the freedom to choose appropriate levels of protection for your environment's specific needs.



The VWR Protection Apparel Portfolio Includes:

- | | | |
|---------------|-----------|-------------|
| Hoods | Coveralls | Gloves |
| Bouffant Caps | Lab Coats | Shoe Covers |
| Beard Covers | Frocks | Boot Covers |
| Masks | Gowns | |
| Face Shields | Sleeves | |

Levels of Protection

Basic

Advanced

Maximum

Irradiated

For more information about VWR Protection Apparel, contact your VWR Sales Representative, call **1.800.932.5000**, or visit vwr.com today.

VWR Protection Apparel is rigorously tested and manufactured in an ISO Certified facility under stringent process controls to ensure that each product meets exacting quality standards and performs to specification. Our products are validated through independent lab testing.



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