

VWR® protection

Nitrile Gloves

01. QUALITY TESTED ACCORDING
TO ASTM, FTMS, AND
IEIST STANDARDS

02. PROVIDE COMFORT,
PROTECTION,
AND TACTILE SENSITIVITY

03. YIELD EXCEPTIONALLY LOW
PARTICLE COUNTS

04. HIGHLY RESISTANT TO
PERMEATION



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.

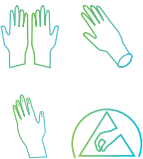
Gloves are rigorously tested and manufactured in an ISO Certified facility under stringent process controls to ensure that each product meets exacting quality standards and performs to specification. Our products are lot controlled and validated through independent lab testing.



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

VWR® Advanced Protection Class 100 Nitrile Gloves

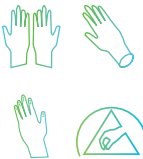
Size	Cat. No.	Case of
X-Small	89130-834	1000
Small	89130-836	1000
Medium	89130-838	1000
Large	89130-840	1000
X-Large	89130-842	1000
XX-Large	89130-844	1000



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

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)						
Finger	0.10–0.20	0.10–0.20	0.10–0.20	0.10–0.20	0.10–0.20	0.10–0.20
Palm	0.10–0.15	0.10–0.15	0.10–0.15	0.10–0.15	0.10–0.15	0.10–0.15
Cuff	0.08–0.12	0.08–0.12	0.08–0.12	0.08–0.12	0.08–0.12	0.08–0.12

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						
Extractables (Max. µg/cm ₂)	Advanced Protection Class 100	Maximum Protection Class 10	Extractables (Max. µg/cm ₂)	Advanced Protection Class 100	Maximum Protection Class 10	Test Standard
Aluminum, Al ³⁺	0.010	0.010	Nickel, Ni ²⁺	0.005	0.005	IEST-RP-CC005.3
Ammonium, NH ⁴⁺	0.005	0.050	Nitrate, NO ₃ ⁻	0.500	0.100	
Bromide, Br ⁻	0.010	0.005	Nitrite, NO ₂ ⁻	0.010	0.005	
Calcium, Ca ²⁺	0.500	0.300	Phosphate, PO ₄ ²⁻	0.010	0.005	
Chloride, Cl ⁻	0.600	0.150	Potassium, K ⁺	0.100	0.030	
Chromium, Cr ⁶⁺	0.005	0.005	Silicone, Amide, and Dioctylphthalate*	Absent	Absent	
Ferri, Fe ³⁺	0.010	0.010	Sodium, Na ⁺	0.200	0.050	
Fluoride, F ⁻	0.010	0.005	Strontium, Sr ²⁺	0.005	0.005	
Isopropanol	5.000	5.000	Sulfate, SO ₄ ²⁻	0.200	0.050	
Lead, Pb ²⁺	0.005	0.005	Tin, Sn ⁴⁺	0.005	0.005	
Lithium, Li ⁺	0.010	0.001	Zinc, Zn ²⁺	0.100	0.100	
Magnesium, Mg2+	0.010	0.005	Particles (Max. ≥0.5µm/cm ²)	1500	400	

*By Fourier Transform Infrared Spectroscopy.



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