

Nitrilite®

The nitrile cleanroom glove for applications requiring low-particulate and low-extractable hand protection.

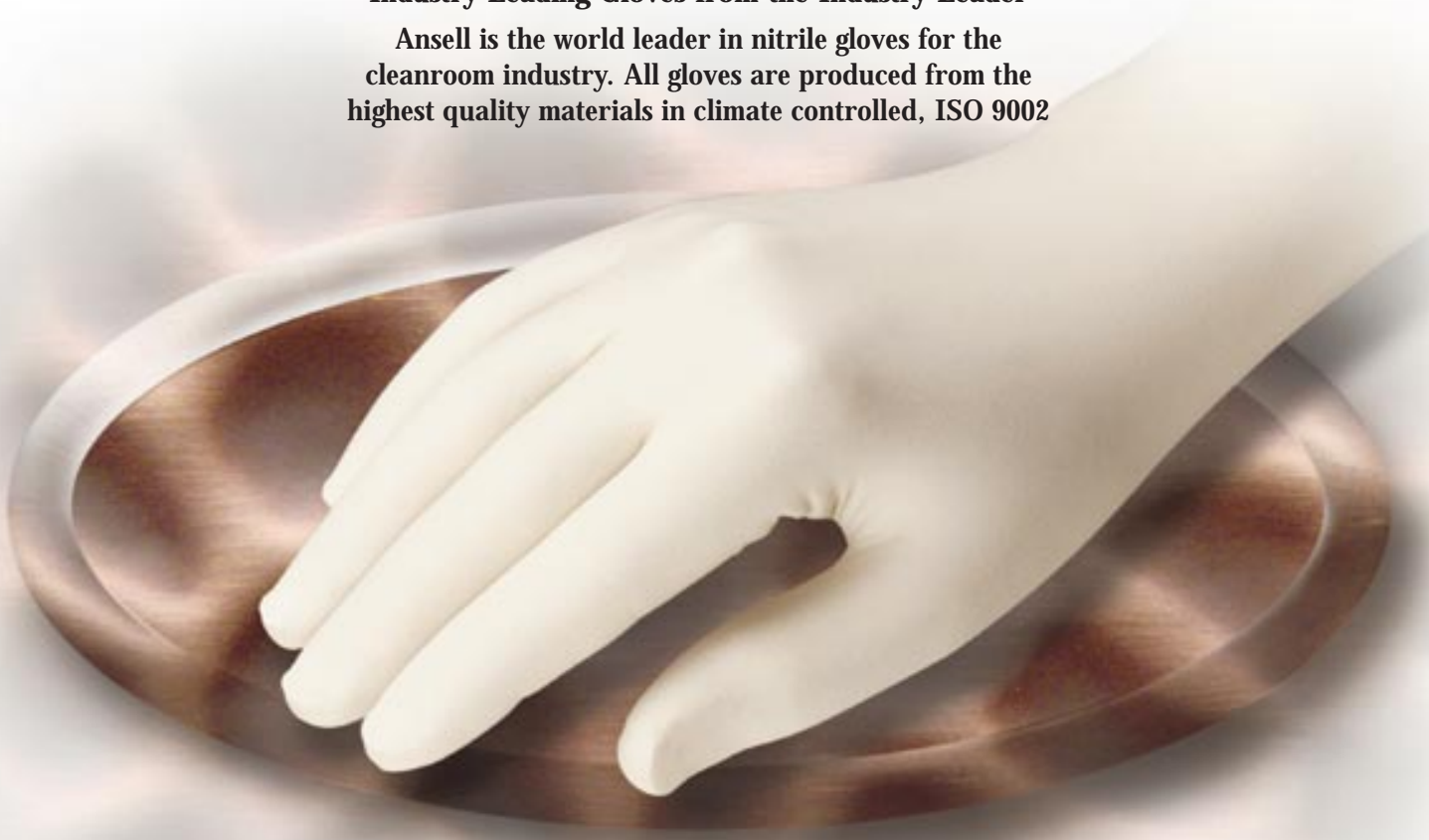
93-112

Introduced in 1993, Nitrilite® is the original thin-mil nitrile cleanroom glove. Produced in a clean-process facility, Nitrilite is naturally clean and low in extractables and has excellent grip properties.

Electrical properties are very good.

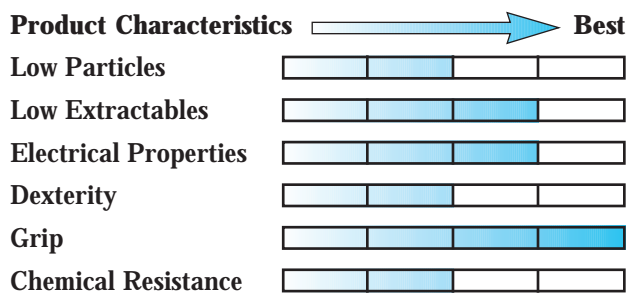
Industry Leading Gloves from the Industry Leader

Ansell is the world leader in nitrile gloves for the cleanroom industry. All gloves are produced from the highest quality materials in climate controlled, ISO 9002



registered, manufacturing facilities that produce *only* nitrile gloves. All Ansell gloves are produced and tested in accordance with ASTM standards and IEST recommended practices and are lot numbered and documented, ensuring the utmost consistency. Supporting you with the largest global technical group—Ansell is your best choice.

Recommended Usage:
Applications requiring a clean glove with good grip and good electrical properties –
Disk Drive, Electrical Device Manufacturing, BioTech



Technical Data

93-112

Material	100% nitrile polymer, manufactured in a clean, powder-free environment.
Glove Design	Ambidextrous, ergonomically designed for improved dexterity, comfort and long wear.
Cuff Design	Rolled, beaded cuff to enhance donning.
Color and Finish	Natural white. Textured fingers for better feel and grip.
Cleanroom Compatibility	Gloves are double-wrapped in cleanroom-compatible packaging and packed in a lined shipping carton.
Quality Standards	Manufactured in ISO 9002 registered facilities. Each lot tested, certified and documented. Lot number printed on each glove and all packaging. AQL for pinholes: 4.0
Total Non-Volatile Residue	1.0 µg/cm ² Max. (IEST-RPCC005.2-8)

Electrical Properties

Resistivity	1x10 ¹¹ ohms/square at 12.5% humidity (ASTM D257, EST S11.11) 1x10 ¹⁰ ohms/square at 50% humidity
Static Decay	<5 seconds @ 12.5% humidity (FTM Std 101C-Method 404) <2 seconds @ 50% humidity

Extractable Values (Ionic Content)	Specification	Typical
Aluminum (Al ³⁺)	<0.050 µg/cm ²	0.0003 µg/cm ²
Chloride (Cl ⁻)	<0.600 µg/cm ²	0.2560 µg/cm ²
Copper (Cu ²⁺)	<0.050 µg/cm ²	<0.0004 µg/cm ²
Iron (Fe ³⁺)	<0.050 µg/cm ²	0.0130 µg/cm ²
Lithium (Li ⁺)	<0.0004 µg/cm ²	<0.0004 µg/cm ²
Magnesium (Mg ²⁺)	<0.050 µg/cm ²	0.0020 µg/cm ²
Nitrate (NO ₃ ⁻)	<0.500 µg/cm ²	0.0390 µg/cm ²
Potassium (K ⁺)	<0.050 µg/cm ²	0.0390 µg/cm ²
Silicone	None	
Sodium (Na ⁺)	<0.500 µg/cm ²	0.2810 µg/cm ²
Sulfate (SO ₄ ²⁻)	<0.200 µg/cm ²	0.1000 µg/cm ²
Zinc (Zn ²⁺)	<0.300 µg/cm ²	0.1410 µg/cm ²

	Specification	Typical
Particulate Data (particles/cm²)	Avg. Total .5-20µm	1363

Test methods per IEST-RP-CC005.2-7 using an orbital shaker.

Typical Physical Values

Thickness:					
Finger Tip	0.12 mm/5 mil				
Palm	0.10 mm/4 mil				
Cuff	0.08 mm/3 mil				
Tensile Strength	Before Aging: 20.7 Mpa min. / 3,000 psi min.				
Elongation	Before Aging: 300% min.				
Sizes:	XS (5-5.5)	S (6-6.5)	M (7-7.5)	L (8-8.5)	XL (9-9.5)
Palm Width – mm	85	92	98	105	115
Surface Area – cm ²	1166	1287	1394	1500	1665
Length	305 mm/12 inches				

Packaging

100 gloves per master polybag; 10 masters per lined carton.
1,000 gloves per case.

NOTE: The information contained herein represents typical performance values and characteristics for the product and is not to be construed or used as actual product performance specifications.