

Nitrilite®

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

93-311

Introduced in 1993, Nitrilite® is the original thin-mil nitrile cleanroom glove. 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

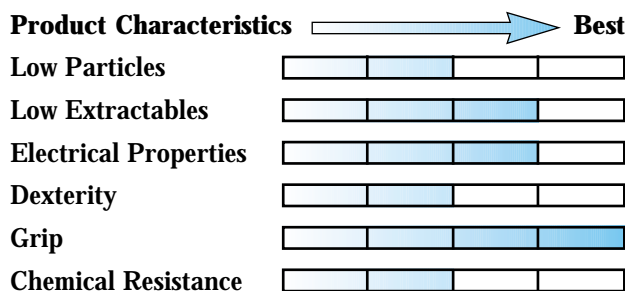
Ansell is the world leader in nitrile gloves for the cleanroom industry. All gloves are produced from the highest quality materials in climate controlled, ISO 9002



registered, manufacturing facilities. 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

93-311

Material	100% nitrile polymer, manufactured in a clean 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 all packaging. AQL for pinholes: 4.0

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	<3 seconds @ 12.5% humidity (FTM Std 101C-Method 404) <1 second @ 50% humidity

Extractable Values	Specification	Typical
Particulates (particules/cm ²)	<2400	954
IPA Non-Volatile Residue (µg/cm ²)	<10	4.0
Ionic Content	Specification	Typical
Aluminum (Al ³⁺)	<0.050 µg/cm ²	0.0023 µg/cm ²
Chloride (Cl ⁻)	<0.600 µg/cm ²	0.1560 µg/cm ²
Copper (Cu ²⁺)	<0.050 µg/cm ²	0.0046 µg/cm ²
Iron (Fe ³⁺)	<0.050 µg/cm ²	0.0046 µg/cm ²
Lithium (Li ⁺)	<0.0004 µg/cm ²	0.00001 µg/cm ²
Magnesium (Mg ²⁺)	<0.050 µg/cm ²	0.0008 µg/cm ²
Nitrate (NO ₃ ⁻)	<0.500 µg/cm ²	0.1531 µg/cm ²
Potassium (K ⁺)	<0.050 µg/cm ²	0.0120 µg/cm ²
Silicone (Mg/Cm ³)	ND	ND
Sodium (Na ⁺)	<0.500 µg/cm ²	0.1282 µg/cm ²
Sulfate (SO ₄ ²⁻)	<0.200 µg/cm ²	0.0205 µg/cm ²
Zinc (Zn ²⁺)	<0.300 µg/cm ²	0.0031 µg/cm ²

Test methods per IEST-RP-CC005.2 using an orbital shaker. ND=None Detected

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-mm	85	116	98	106	116
Surface Area-cm ²	1166	1493	1540	1630	1810
Length	305 mm/12 inches				

Packaging

50 gloves vacuum-sealed in an unprinted polybag, two bags of 50 gloves per master polybag; 10 master bags per lined carton. 1,000 gloves per case. Polybags are easy opening and printed with IPA-resistant ink.

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.



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