

Nitrilite® *Silky* Ultra-Clean

93-222

The newest generation of original Nitrilite. Possibly the world's cleanest nitrile gloves! Perfect for all electrically sensitive applications requiring low-particulate and low-extractable hand protection.

Nitrilite *Silky* Ultra-Clean is an ultra-low particulate and ultra-low extractable glove with exceptional electrical properties. The soft, flexible properties of the Nitrilite *Silky* material allow for great user fit and dexterity, providing long-term comfort and better efficiency.

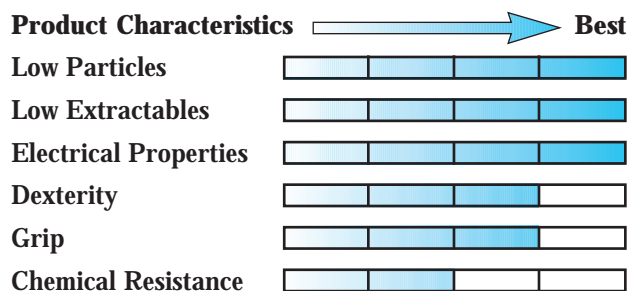
Industry Leading Gloves from the Industry Leader

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 an exceptionally clean glove with excellent electrical properties – Disk Drive, Semi-conductor, Electrical Device Manufacturing, BioTech, Flat Panel



Ansell
Protective Products

Technical Data

93-222

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 packed in a certified Class 10 cleanroom; double-bagged in cleanroom-compatible packaging and packed in a lined shipping carton. All printing done with cleanroom-compatible IPA-resistant ink.
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
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	<3 seconds @ 12.5% humidity (FTM Std 101C-Method 404) <1 second @ 50% humidity

Extractable Values (Ionic Content)

	Specification	Typical
Aluminum (Al ³⁺)	<0.003 µg/cm ²	0.0005 µg/cm ²
Chloride (Cl ⁻)	<0.200 µg/cm ²	0.0757 µg/cm ²
Copper (Cu ²⁺)	<0.0004 µg/cm ²	<0.0004 µg/cm ²
Iron (Fe ³⁺)	<0.010 µg/cm ²	0.0035 µg/cm ²
Lithium (Li ⁺)	<0.0004 µg/cm ²	<0.0004 µg/cm ²
Magnesium (Mg ²⁺)	<0.001 µg/cm ²	0.0005 µg/cm ²
Nitrate (NO ₃ ⁻)	<0.100 µg/cm ²	0.0410 µg/cm ²
Potassium (K ⁺)	<0.020 µg/cm ²	0.0010 µg/cm ²
Silicone	None	
Sodium (Na ⁺)	<0.050 µg/cm ²	0.0189 µg/cm ²
Sulfate (SO ₄ ²⁻)	<0.010 µg/cm ²	0.0090 µg/cm ²
Zinc (Zn ²⁺)	<0.070 µg/cm ²	0.0330 µg/cm ²

	Avg. Total .5-20µm	Specification	Typical
Particulate Data (particles/cm²)		<400	168

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: 500% 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

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.