

Nitrilite® Silky Ultra-Clean

93-401

Nitrilite *Silky* Ultra-Clean is an ultra-low particulate and ultra-low extractable glove with exceptional electrical properties. Perfect for all electrically sensitive applications requiring low-particulate and low-extractable hand protection. 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

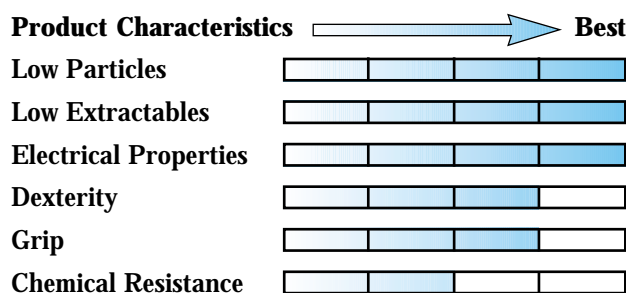
Ansell is the world leader in nitrile gloves for the cleanroom industry. All gloves are produced from the highest quality materials in climate controlled



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



Technical Data

93-401

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 packed in a certified Class 100 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	Each lot tested, certified and documented. Lot number printed on all packaging. AQL for pinholes: 1.5

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

	Specification	Typical
Particulates (particules/cm ²)	<400	127
IPA Non-Volatile Residue (µg/cm ²)	<5	2.0

Ionic Content

	Specification	Typical
Aluminum (Al ³⁺)	<0.020 µg/cm ²	0.0067 µg/cm ²
Chloride (Cl ⁻)	<0.200 µg/cm ²	0.05 µg/cm ²
Copper (Cu ²⁺)	<0.01 µg/cm ²	<0.005 µg/cm ²
Iron (Fe ³⁺)	<0.020 µg/cm ²	0.0107 µg/cm ²
Lithium (Li ⁺)	<0.0001 µg/cm ²	<0.0001 µg/cm ²
Magnesium (Mg ²⁺)	<0.005 µg/cm ²	0.0020 µg/cm ²
Nitrate (NO ₃)	<0.100 µg/cm ²	0.0235 µg/cm ²
Potassium (K ⁺)	<0.020 µg/cm ²	0.0099 µg/cm ²
Silicone (Mg/Cm ³)	ND	ND
Sodium (Na ⁺)	<0.050 µg/cm ²	0.014 µg/cm ²
Sulfate (SO ₄ ²⁻)	<0.010 µg/cm ²	0.0095 µg/cm ²
Zinc (Zn ²⁺)	<0.05 µg/cm ²	0.0096 µg/cm ²

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

Typical Physical Values

Thickness:					
Finger Tip	0.16 mm/6 mil				
Palm	0.12 mm/5 mil				
Cuff	0.10 mm/4 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	85	95	105	115
Surface Area – cm ²	1166	1287	1375	1450	1665
Length	300 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.



Canada- 105 Lauder; Cowansville, Que. J2K 2K8
Tel. 800-363-8340 Fax. 888-267-3551
United States- 1300 Walnut St.; Coshocton, OH 43812
Tel. 800-800-0444 Fax. 800-800-0445
www.ansellpro.com/ce



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