

Valutek Sterile Nitrile Cleanroom 12" Glove

Part Number: VTGNCRBIR12



Description: Valutek's 12" ambidextrous sterile nitrile cleanroom glove is constructed from 100% synthetic nitrile polymer. This glove contains no natural rubber latex, is silicone free and has a textured fingertip design with beaded long cuff. This glove is packaged in a cleanroom compatible plastic pouch. All Valutek gloves are tested and manufactured in ISO compliant facilities under Valutek inspection and strict process control to ensure Valutek quality standards and product specifications.

- Features:**
- 100% clean and synthetic nitrile polymer material (Acrylonitrile Butadiene)
 - Accelerator and sulfur free
 - Gamma irradiated
 - 12"/290mm length with beaded long cuff
 - Textured fingertips
 - Powder-free, double chlorination and 18 megaohm D.I water rinse
 - Low levels of particles and extractable counts
 - ESD compliant, acid and solvent compatible

Application: As part of the **Valutek Nanotek product family**, this product is recommended for use in a cleanroom Class 1-10 (ISO 3-4) critical environment. It is also commonly used in sterile environments and industries that require a very clean glove such as pharmaceutical, biotechnology and medical device manufacturing.

VTGNCRBIR12 Packaging



- 1 pair/pack, 10 pairs/master Pack, 20 master packs/case, 200 pairs/case.
- Critical environment compatible. All gloves are lot traceable with retention samples held in Quality Control for 36 months from date of manufacturing.



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VTGNCRBIR12 Physical Properties

Part Number	Size	Palm Width (mm)	Weight (gm)	Length (inch/mm)	Test Method
VTGNCRBIR12-XS	XS	75 ± 5	5.5 ± 0.2	12"/290	IEST-RP-CC005.4 ASTM D3767
VTGNCRBIR12-SM	SM	85 ± 5	6.0 ± 0.2		
VTGNCRBIR12-MD	MD	95 ± 5	6.5 ± 0.2		
VTGNCRBIR12-LG	LG	105 ± 5	7.0 ± 0.2		
VTGNCRBIR12-XL	XL	115 ± 5	7.5 ± 0.2		
VTGNCRBIR12-2X	2X	125 ± 5	8.0 ± 0.2		

Tensile Properties	Tensile Strength	Ultimate Elongation	Test Method	Measured Points	Thickness	Test Method
Before Aging	18 MPa, min	500%, min	ASTM D412	Fingertip	4.72 mil 0.12 mm, min	ASTM D3767
After Aging	16 MPa, min	450%, min		Palm	3.94 mil 0.10 mm, min	
				Cuff	3.15 mil 0.08 mm, min	

*Barrier Integrity: AQL 1.5

VTGNCRBIR12 Technical Performance

Attribute	Value	Units	Test Method
Particle Counts			
LPC: ≥0.5 µm	<600	particles/cm ²	IEST-RP-CC005.4, Sec 16.4
Non Volatile Residue (NVR)			
DI Water	<2.0	µg/cm ²	IEST-RP-CC005.4, Sec 17.2
IPA	<5.0	µg/cm ²	IEST-RP-CC005.4, Sec 17.2
FTIR			
Silicone Oil, Amide, DOP	Not Detectable		IEST-RP-CC005.4, Sec 17.4

Extractable Counts (Ions)					
Sodium(Na)	<0.02	µg/cm ²	Fluoride(F ⁻)	<0.001	µg/cm ²
Potassium(K)	<0.02	µg/cm ²	Bromide(Br)	<0.001	µg/cm ²
Calcium(Ca)	<0.30	µg/cm ²	Phosphate(PO ₄ ³⁻)	<0.002	µg/cm ²
Magnesium(Mg)	<0.005	µg/cm ²	Chloride(Cl)	<0.20	µg/cm ²
Ammonium(NH ₄ ⁺)	<0.005	µg/cm ²	Sulfate(SO ₄ ²⁻)	<0.06	µg/cm ²
Nitrate(NO ₃ ⁻)	<0.12	µg/cm ²	Nitrite(NO ₂ ⁻)	<0.001	µg/cm ²
Lithium(Li)	<0.005	µg/cm ²	Aluminium(Al)	<0.01	µg/cm ²
Zinc(Zn)	<0.07	µg/cm ²	Iron(Fe)	<0.005	µg/cm ²
Copper(Cu)	<0.0004	µg/cm ²			

ESD Properties					
Electrostatic Decay	<5	seconds	Tribo Charge	<50	V
Surface resistivity	<1 X 10E11	Ω ⁻²			ANSI/ESD SP15.1



Gloves



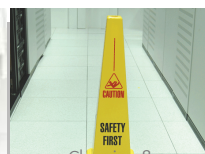
Wipers



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD