

Valutek Ultra Thin Nitrile Powder-Free Cleanroom 12" Glove

Part Number: VTGNUTCRB12



Description: Valutek's ultra thin 12" ambidextrous nitrile powder-free cleanroom glove is constructed from 100% clean, synthetic nitrile poly-mer and contains no rubber latex. This glove has a textured fingertip and a beaded long cuff design which offers the ultimate cleanliness and operator dexterity with very low levels of particle and extractable counts. 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 (Acrylonitrile Butadiene)
 - Accelerator and sulfur free
 - 12"/290 mm 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 cleanroom packaged glove is recommended for use in a cleanroom Class 1-10 (ISO 3-4) critical environment. It is also recommended for use in a wide variety of applications that require an extremely clean glove such as wafer fabrication, disk drives, semiconductor, biotechnology, non-aseptic pharmaceutical and optics.

VTGNCRB12 Packaging



- Outer bag contains inner bag with 2 stacks of 50 gloves. Gloves packaged cuffs on bottom, vacuum sealed, flat packed and with a carton liner. 100 ea/double bagged, 10 bags/case, 1000 ea/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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VTGNUTCRB12 Physical Properties

Part Number	Size	Palm Width (mm)	Weight (gm)	Length (inch/mm)	Test Method
VTGNUTCRB12-XS	XS	70 ± 10	3.5 ± 0.2	12"/290	IEST-RP-CC005.4 ASTM D6319
VTGNUTCRB12-SM	SM	80 ± 10	4.0 ± 0.2		
VTGNUTCRB12-MD	MD	95 ± 10	4.5 ± 0.2		
VTGNUTCRB12-LG	LG	110 ± 10	5.0 ± 0.2		
VTGNUTCRB12-XL	XL	120 ± 10	5.6 ± 0.2		

Tensile Properties	Tensile Strength	Ultimate Elongation	Test Method	Measured Points	Thickness	Test Method
Before Aging	14 MPa, min	500%, min	ASTM D6319	Fingertip	3.54 mil 0.09 mm, min	ASTM D6319
After Aging	14 MPa, min	400%, min		Palm	2.75 mil 0.07 mm, min	
				Cuff	1.96 mil 0.05 mm, min	

*Barrier Integrity: AQL 1.5

VTGNUTCRB12 Technical Performance

Attribute	Value	Units	Test Method
Particle Counts			
LPC: ≥0.5 µm	<800	particles/cm ²	IEST-RP-CC005.4, Sec 16.4
Non Volatile Residue (NVR)			
Total NVR	<30	mg/g	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)	<0.050	mg/g	Fluoride(F ⁻)	<0.001	mg/g	IEST-RP-CC005.4, Sec 17
Potassium(K)	<0.050	mg/g	Bromide(Br ⁻)	<0.001	mg/g	
Calcium(Ca)	<0.200	mg/g	Phosphate(PO ₄ ³⁻)	<0.001	mg/g	
Magnesium(Mg)	<0.010	mg/g	Chloride(Cl ⁻)	<0.100	mg/g	
Ammonium(NH ₄ ⁺)	<0.050	mg/g	Sulfate(SO ₄ ²⁻)	<0.050	mg/g	
Nitrate(NO ₃ ⁻)	<0.050	mg/g	Nitrite(NO ₂ ⁻)	<0.001	mg/g	
Lithium(Li)	<0.001	mg/g				

ESD Properties						
Electrostatic Decay	<3	seconds	Tribo Charge	<150	V	ANSI/ESD SP15.1
Surface resistivity	10 ⁹ - 10 ¹¹	ohm/sq				



Gloves



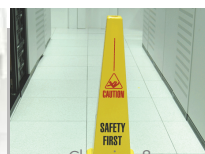
Wipers



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD