





## Valutek Sterile Nitrile Clenroom 12" Glove

Part Number: VTGNCRBIR12

## 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		
VTGNCRBIR12-SM	SM	85 ± 5	6.0 ± 0.2		IENT-RP-CC005.4
VTGNCRBIR12-MD	MD	95 ± 5	6.5 ± 0.2	12"/290	ASTM D3767
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
Before Aging	18 MPa, min	500%, min	ASTM D412
After Aging	16 MPa, min	450%, min	

Measured Points	Thickness	Test Method
Fingertip	4.72 mil 0.12 mm, min	ASTM D3767
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
<b>Particle Counts</b>			
LPC: $\approx 0.5 \mu\text{m}$	<600	particles/cm <sup>2</sup>	IENT-RP-CC005.4, Sec 16.4
<b>Non Volatile Residue (NVR)</b>			
DI Water	<2.0	$\mu\text{g}/\text{cm}^2$	IENT-RP-CC005.4, Sec 17.2
IPA	<5.0	$\mu\text{g}/\text{cm}^2$	IENT-RP-CC005.4, Sec 17.2
<b>FTIR</b>			
Silicone Oil, Amide, DOP	Not Detectable		IENT-RP-CC005.4, Sec 17.4
<b>Extractable Counts (Ions)</b>			
Sodium(Na)	<0.02 $\mu\text{g}/\text{cm}^2$	Fluoride(F <sup>-</sup> )	<0.001 $\mu\text{g}/\text{cm}^2$
Potassium(K)	<0.02 $\mu\text{g}/\text{cm}^2$	Bromide(Br <sup>-</sup> )	<0.001 $\mu\text{g}/\text{cm}^2$
Calcium(Ca)	<0.30 $\mu\text{g}/\text{cm}^2$	Phosphate(PO <sub>4</sub> <sup>3-</sup> )	<0.002 $\mu\text{g}/\text{cm}^2$
Magnesium(Mg)	<0.005 $\mu\text{g}/\text{cm}^2$	Chloride(Cl <sup>-</sup> )	<0.20 $\mu\text{g}/\text{cm}^2$
Ammonium(NH <sub>4</sub> <sup>+</sup> )	<0.005 $\mu\text{g}/\text{cm}^2$	Sulfate(SO <sub>4</sub> <sup>2-</sup> )	<0.06 $\mu\text{g}/\text{cm}^2$
Nitrate(NO <sub>3</sub> <sup>-</sup> )	<0.12 $\mu\text{g}/\text{cm}^2$	Nitrite(NO <sub>2</sub> <sup>-</sup> )	<0.001 $\mu\text{g}/\text{cm}^2$
Lithium(Li)	<0.005 $\mu\text{g}/\text{cm}^2$	Aluminium(Al)	<0.01 $\mu\text{g}/\text{cm}^2$
Zinc(Zn)	<0.07 $\mu\text{g}/\text{cm}^2$	Iron(Fe)	<0.005 $\mu\text{g}/\text{cm}^2$
Copper(Cu)	<0.0004 $\mu\text{g}/\text{cm}^2$		

Endotoxin Level		
Limit: Max 20 EU/Glove	Limit: of Reporting (LOR) = 0.2 EU/Glove	LAL Kinetic Turbidimetric, USP <85>

ESD Properties				
Electrostatic Decay	<5 seconds	Tribo Charge	<50 V	ANSI/ESD SP15.1
Surface Resistivity	<1 X 10E11 $\Omega^{-2}$			

\*Note: Technical data listed reflects upper/lower limits. Certificates of Analysis available upon request for actual lot-to-lot test data. **36 month lot trend analysis** available upon request.



Valutek WEST  
Phoenix, AZ - USA

Valutek EAST  
Albany, NY - USA

Valutek ASIA  
Penang - Malaysia

1.800.763.1250

orderdesk@valutek.com

valutek.com

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