





## Valutek Nitrile Clenroom 12" Glove

Part Number: VTGNCRB12

## VTGNCRB12 Physical Properties

Part Number	Size	Palm Width (mm)	Weight (gm)	Length (inch/mm)	Test Method
VTGNCRB12-XS	XS	75 ± 5	5.5 ± 0.2		
VTGNCRB12-SM	SM	85 ± 5	6.0 ± 0.2		IENT-RP-CC005.4
VTGNCRB12-MD	MD	95 ± 5	6.5 ± 0.2	12"/290	ASTM D3767
VTGNCRB12-LG	LG	105 ± 5	7.0 ± 0.2		
VTGNCRB12-XL	XL	115 ± 5	7.5 ± 0.2		
VTGNCRB12-2X	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

## VTGNCRB12 Technical Performance

Attribute	Value	Units	Test Method
<b>Particle Counts</b>			
LPC: ≥0.5 μm	<600	particles/cm <sup>2</sup>	IENT-RP-CC005.4, Sec 16.4
<b>Non Volatile Residue (NVR)</b>			
DI Water	<2.0	μg/cm <sup>2</sup>	IENT-RP-CC005.4, Sec 17.2
IPA	<5.0	μg/cm <sup>2</sup>	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 μg/cm <sup>2</sup>	Fluoride(F <sup>-</sup> )	<0.001 μg/cm <sup>2</sup>
Potassium(K)	<0.02 μg/cm <sup>2</sup>	Bromide(Br <sup>-</sup> )	<0.001 μg/cm <sup>2</sup>
Calcium(Ca)	<0.30 μg/cm <sup>2</sup>	Phosphate(PO <sub>4</sub> <sup>3-</sup> )	<0.002 μg/cm <sup>2</sup>
Magnesium(Mg)	<0.005 μg/cm <sup>2</sup>	Chloride(Cl <sup>-</sup> )	<0.20 μg/cm <sup>2</sup>
Ammonium(NH <sub>4</sub> <sup>+</sup> )	<0.005 μg/cm <sup>2</sup>	Sulfate(SO <sub>4</sub> <sup>2-</sup> )	<0.06 μg/cm <sup>2</sup>
Nitrate(NO <sub>3</sub> <sup>-</sup> )	<0.12 μg/cm <sup>2</sup>	Nitrite(NO <sub>2</sub> <sup>-</sup> )	<0.001 μg/cm <sup>2</sup>
Lithium(Li)	<0.005 μg/cm <sup>2</sup>	Aluminium(Al)	<0.01 μg/cm <sup>2</sup>
Zinc(Zn)	<0.07 μg/cm <sup>2</sup>	Iron(Fe)	<0.005 μg/cm <sup>2</sup>
Copper(Cu)	<0.0004 μg/cm <sup>2</sup>		

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
Surface Resistivity	<1 X 10E11 Ω <sup>-2</sup>		ANSI/ESD SPI5.1

\*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.



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