

Valutek Nitrile Powder-Free 12" Glove



Part Number: VTGNPFB12

Valutek nitrile powder-free ambidextrous 12" glove is constructed from 100% clean synthetic nitrile polymer and contains no rubber latex, fillers or silicones.

This glove comes with beaded cuff and a textured fingertip design. Our specially formulated, high modulus nitrile provides unmatched operator comfort and dexterity. Packed in a cleanroom.

All Valutek gloves are tested and are manufactured in ISO-compliant facilities, subject to Valutek inspection and stringent process control, ensuring compliance with Valutek quality standards and product specifications.

Features

- 100% clean and synthetic nitrile polymer (Acrylonitrile Butadiene)
- Accelerator and sulfur free
- Contains no fillers, silicones or plasticizers
- 12"/290 mm length with beaded long cuff
- Textured fingertips
- Powder-free, double chlorination and DI water rinse
- ESD compliant, acid and solvent compatible

Application

As a member of the **Valutek Microtek product family**, this "cleanroom packaged" glove is recommended for use in a **Class 100-1,000 (ISO 5-6)** critical environment.

It is also commonly used in a wide variety of applications, including semiconductor, pharmaceutical, food handling, laboratory work, electronic, intricate parts handling, and maintenance and cleanup.

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/bag, 10 bags/case, 1000 ea/case.
- Critical environment compatible.
- All gloves are **lot trace-able** with retention samples held in **Quality Control for 36 months** from the date of manufacturing.



Gloves



Wipers



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD



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VTGNPFB12 Physical Properties

Part Number	Size	Palm Width (mm)	Weight (gm)	Length (inch/mm)	Test Method
VTGNPFB12-XS	XS	75 ± 5	5.5 ± 0.2		
VTGNPFB12-SM	SM	85 ± 5	6.0 ± 0.2		IEST-RP-CC005.4
VTGNPFB12-MD	MD	95 ± 5	6.5 ± 0.2	12"/290	ASTM D3767
VTGNPFB12-LG	LG	105 ± 5	7.0 ± 0.2		
VTGNPFB12-XL	XL	115 ± 5	7.5 ± 0.2		
VTGNPFB12-2X	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

VTGNPFB12 Technical Performance

Attribute	Value	Units	Test Method
Particle Counts			
LPC: ≥0.5 μm	<2,000	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)	<0.50	μg/cm ²	Phosphate(PO ₄ ³⁻)	<0.002	μg/cm ²
Magnesium(Mg)	<0.005	μg/cm ²	Chloride(Cl ⁻)	<0.60	μg/cm ²
Ammonium(NH ₄ ⁺)	<0.005	μg/cm ²	Sulfate(SO ₄ ²⁻)	<0.20	μg/cm ²
Nitrate(NO ₃ ⁻)	<0.50	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)	<0.10	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			ANSI/ESD SP15.1

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

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