Valutek Nitrile Powder-Free

MicroTek
ISO 5-6 (Class 100- 1.000)

9.5" Glove

Part Number: VTGNPFB95

Valutek nitrile powder-free ambidextrous 9.5" 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
- 9.5"/240 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.

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VTGNPFB95 Physical Properties

Part Number	Size	Palm Width (mm)	Weight (gm)	Length (inch/mm)	Test Method
VTGNPFB95-XS	XS	75 ± 5	4.5 ± 0.2		
VTGNPFB95-SM	SM	85 ± 5	5.0 ± 0.2		IEST-RP-CC005.4
VTGNPFB95-MD	MD	95 ± 5	5.5 ± 0.2	9.5"/240mm	ASTM D3767
VTGNPFB95-LG	LG	105 ± 5	6.0 ± 0.2		
VTGNPFB95-XL	XL	115 ± 5	6.5 ± 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	
Palm	3.94 mil 0.10 mm, min	ASTM D3767
Cuff	3.15 mil 0.08 mm, min	

*Barrier Integrity: AQL 1.5

VTGNPFB95 Technical Performance

Attribute	Value	Units	Test Method
Particle Counts			
LPC: ˚0.5 m	<2,000	particles/cm^2	IEST-RP-CC005.4, Sec 16.4
Non Volatile Residue (NVR)			
DI Water	<2.0	µg/cm²	IEST-RP-CC005.4, Sec 17.2
IPA	<5.0	µg/cm²	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/cm²	Fluoride(F^-)	<0.001	µg/cm²	
Potassium(K)	<0.02	µg/cm²	Bromide(Br^-)	<0.001	µg/cm²	
Calcium(Ca)	<0.50	µg/cm²	Phosphate(PO_4^{3-})	<0.002	µg/cm²	
Magnesium(Mg)	<0.005	µg/cm²	Chloride(Cl^-)	<0.60	µg/cm²	
Ammonium(NH_4^+)	<0.005	µg/cm²	Sulfate(SO_4^{2-})	<0.20	µg/cm²	IEST-RP-CC005.4, Sec 17
Nitrate(NO3-)	<0.50	µg/cm²	Nitrite(NO_2^-)	<0.001	µg/cm²	
Lithium(Li)	<0.005	µg/cm²	Aluminium(Al)	<0.01	µg/cm²	
Zinc(Zn)	<0.10	µg/cm²	Iron(Fe)	<0.005	µg/cm²	
Copper(Cu)	<0.0004	µg/cm²				

ESD Properties				
Electrostatic Decay	<5 seconds	Tribo Charge	<50 V	ANSI/ESD SP15.1
Surface Resistivity	<1 X 10E11 0^{-2}			

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

VALUTEK

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