

# Valutek Latex Powder-Free 9" Glove

Part Number: VTGLPFB90



MicroTek  
ISO 5-6 (Class 100- 1,000)



**Description:** Valutek latex powder-free ambidextrous 9" glove is constructed from 100% natural rubber latex with fully textured design and beaded cuff. This glove provides high level dexterity, is strong, reliable, durable and comfortable hand protection for operators. Packaged in a cleanroom, all Valutek gloves are tested and manufactured in ISO compliant facilities under Valutek inspection and strict process control to ensure Valutek quality standard and product specifications.

**Features:**

- 100% natural latex material provides the highest degree of dexterity
- 9"/240mm length with beaded cuff
- Fully textured and smooth cuff design
- Powder-free, double chlorination and DI water rinse
- Moderate acid compatibility

**Application:** As part of the **Valutek Microtek product family**, this product is recommended for use in a cleanroom Class 100-1,000 (ISO 5-6) critical environment. It is also commonly used in a wide variety of applications including laboratories, general industry, food processing and service, janitorial/sanitation, pharmaceutical handling, electronics assembly and light-duty maintenance and cleanup.

**Caution:** This product contains natural rubber latex which may cause allergic reactions in some individuals.

## VTGLPFB90 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 traceable with retention samples held in Quality Control for 36 months from date of manufacturing.

■ Valutek West  
USA-Phoenix.AZ

■ Valutek East  
USA-Albany.NY

■ Valutek Asia Sdn. Bhd  
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## VTGLPFB90 Physical Properties

| Part Number  | Size | Palm Width (mm) | Weight (gm) | Length (inch/mm) | Test Method                   |
|--------------|------|-----------------|-------------|------------------|-------------------------------|
| VTGLPFB90-SM | SM   | 85 ± 5          | 5.5 ± 0.2   | 9"/240mm         | IEST-RP-CC005.4<br>ASTM D3767 |
| VTGLPFB90-MD | MD   | 95 ± 5          | 6.0 ± 0.2   |                  |                               |
| VTGLPFB90-LG | LG   | 105 ± 5         | 6.5 ± 0.2   |                  |                               |
| VTGLPFB90-XL | XL   | 115 ± 5         | 7.0 ± 0.2   |                  |                               |

| Tensile Properties | Tensile Strength | Ultimate Elongation | Test Method | Measured Points | Thickness                | Test Method |
|--------------------|------------------|---------------------|-------------|-----------------|--------------------------|-------------|
| Before Aging       | 21 MPa, min      | 700%, min           | ASTM D412   | Fingertip       | 5.51 mil<br>0.14 mm, min | ASTM D3767  |
| After Aging        | 16 MPa, min      | 500%, min           |             | Palm            | 4.72 mil<br>0.12 mm, min |             |
|                    |                  |                     |             | Cuff            | 3.54 mil<br>0.09 mm, min |             |

\*Barrier Integrity: AQL 1.5

## VTGLPFB90 Technical Performance

| Attribute                         | Value          | Units                     | Test Method               |
|-----------------------------------|----------------|---------------------------|---------------------------|
| <b>Particle Counts</b>            |                |                           |                           |
| LPC: ≥0.5 µm                      | <2,400         | particles/cm <sup>2</sup> | IEST-RP-CC005.4, Sec 16.4 |
| <b>Non Volatile Residue (NVR)</b> |                |                           |                           |
| DI Water                          | <2.0           | µg/cm <sup>2</sup>        | IEST-RP-CC005.4, Sec 17.2 |
| IPA                               | <5.0           | µg/cm <sup>2</sup>        | IEST-RP-CC005.4, Sec 17.2 |
| <b>FTIR</b>                       |                |                           |                           |
| Silicone Oil, Amide, DOP          | Not Detectable |                           | IEST-RP-CC005.4, Sec 17.4 |

| Extractable Counts (Ions)               |         |                    |   |        |                    |                         |
|---|---------|--------------------|---|--------|--------------------|-------------------------|
| Sodium(Na)                              | <0.02   | µg/cm <sup>2</sup> | Fluoride(F <sup>-</sup> )                 | <0.001 | µg/cm <sup>2</sup> | IEST-RP-CC005.4, Sec 17 |
| Potassium(K)                            | <0.02   | µg/cm <sup>2</sup> | Bromide(Br <sup>-</sup> )                 | <0.001 | µg/cm <sup>2</sup> |                         |
| Calcium(Ca)                             | <0.50   | 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> )                | <1.0   | 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> )   | <0.20  | µg/cm <sup>2</sup> |                         |
| Nitrate(NO <sub>3</sub> <sup>-</sup> )  | <0.50   | 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)                                | <0.10   | µg/cm <sup>2</sup> | Iron(Fe)                                  | <0.005 | µg/cm <sup>2</sup> |                         |
| Copper(Cu)                              | <0.0004 | µg/cm <sup>2</sup> |   |        |                    |                         |



Gloves



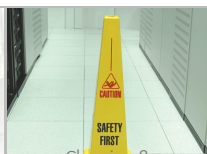
Wipers



Apparel



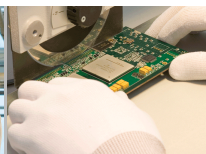
Adhesive Mats



Cleaning &amp; Maintenance



Documentation



Glove Liners



ESD