

Valutek ESD Polyester Wiper

Part Number: VTPNWESD



Description: Valutek's ESD polyester wiper is constructed from 100% continuous-filament polyester in a double-knit, no-run, interlock pattern with a conductive fiber designed to dissipate electrical charge. This substrate exhibits moderate absorbency and low levels of particulate and extractable counts. Laundered and packaged in a controlled environment, all Valutek wipers 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% continuous filament, double-knit polyester fiber
- Cold knife cut edges
- Chemically compatible with IPA and other common solvents
- Excellent absorbency and abrasion resistance
- Low levels of particulate and extractable counts
- Low in fibers generation

Application: As part of the **Valutek Microtek product family**, this product is recommended for use in a clean-room Class 100-1,000 (ISO 5-6) critical environment. It is commonly used in a wide variety of applications, such as optics and LCD screen cleaning, electronic manufacturing, optical cleaning and pharmaceutical manufacturing.

Pre-Wetted Option:

The wiper is available pre-wetted with custom chemistries.

VTPNWESD Sizes and Packaging

| Wiper Part Number | Size | | Packaging |
|-------------------|---------|---------------|---------------------------------------|
| VTPNWESD-99 | 9" x 9" | 23 cm x 23 cm | 150 ea/bag, 8 bags/case, 1200 ea/case |

- All wipers are packed in double poly bags, vacuum sealed, flat packed in carton boxes with a carton liner.
- Critical environment compatible. All wipers are lot traceable with retention samples held in Quality Control for 36 months from manufacturer date.



■ Valutek West
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■ Valutek East
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VTPNWESD Technical Performance

| Attribute | Value | Units | Test Method |
|--------------------------------------------|-----------------------|------------------------------------------|-----------------------------------------------------------------------------------------------|
| Basis Weight | 155 ± 5 | g/m ² | TAPPI T-410 |
| Absorbency | | | |
| Sorptive Efficiency | 2.8 | mL/g | IEST-RP.CC004.3, Sec 8.1/Sec 8.2 |
| Sorptive Capacity | 490 | mL/m ² | |
| Sorptive Rate | 0.5 | second | |
| Particle Counts | | | |
| LPC: ≥0.5 μm | 3.0 | 10 ⁶ particles/m ² | IEST-RP.CC004.3, Sec 6.1.3/Sec 6.2.1 IEST-RP.CC004.3, Sec 6.1.3/Sec 6.2.2 ASTM E2090-12 |
| Fibers > 100 μm | 7500 | fibers/m ² | |
| Non Volatile Residue (NVR) | | | |
| IPA Extractant | 0.12 | g/m ² | IEST-RP.CC004.3, Sec 7.1.2 |
| Extractable Counts (Ions) | | | |
| Sodium(Na ⁺) | 0.36 | ppm | IEST-RP.CC004.3, Sec 7.2.2 |
| Potassium(K ⁺) | 0.05 | ppm | |
| Chloride(Cl ⁻) | 0.59 | ppm | |
| Electrostatic Discharge Properties: | | | |
| Surface Resistivity | 4.5 x 10 ⁷ | ohms | MIL-STD-81705B ASTM D257 |
| Static Decay Time | <1.3 | second | |

*Note: Technical data represented in this table are typical values at the time of publication. Third party independent lab test results available upon request.



Gloves



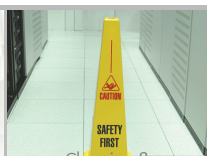
Wipers



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD