



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

Valutek ESD Polyester Wiper



Valutek's ESD polyester wiper is made from 100% continuous-filament polyester in a double-knit, no-run, interlock pattern with a conductive fiber for electrical charge dissipation.

This substrate demonstrates moderate absorbency and maintains low levels of particulate and extractable counts. It is laundered and packaged in a controlled environment.

All Valutek wipers undergo testing and production in ISO-compliant facilities, subject to Valutek inspection and rigorous process control, to ensure compliance with Valutek quality standards and product specifications.

Part Number: VTPNWESD

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 fiber generation

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 commonly used in a wide variety of applications, including optics and LCD screen cleaning, electronic manufacturing, optical cleaning, and pharmaceutical manufacturing.

Packaging



- All wipers are packed in double poly bags, vacuum-sealed, flat-packed in carton boxes, and equipped with a carton liner.
- Critical environment compatible.
- All wipers are lot traceable.



Gloves



Wipers



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD



Valutek ESD Polyester Wiper

Part Number: VTPNWESD

VTPNWESD Physical Properties

Part Number	Size	Packaging
VTPNWESD-99	9" x 9" 23 cm x 23 cm	150 ea/bag, 4 bags/case, 600 ea/case

VTPNWESD Technical Performance

Attribute	Value	Units	Test Method
Basis Weight	155 ± 5	g/m²	TAPPI T-410
Absorbency			
Sorptive Efficiency	2.8	mL/g	IEST-RP.CC004.3, Sec 8.1/Sec 8.2
Sorptive Capacity	490	mL/m²	
Sorptive Rate	0.5	second	
Particle Counts			
LPC: ≥ 0.5 µm	3.0	10⁶ particles/m²	IEST-RP.CC004.3, Sec 6.1.3/Sec 6.2.1
Fibers: ≥ 0.5 µm	7500	fibers/m²	IEST-RP.CC004.3, Sec 6.1.3/Sec 6.2.2 ASTM E2090-12
Non Volatile Residue (NVR)			
IPA Extractant	0.12	g/m²	IEST-RP.CC004.3, Sec 7.1.2
Extractable Counts			
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	45 x 10⁷	ohms	MIL-STD-81705B
Static Decay Time	<1.3	second	ASTM D257

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

