



MicroTek

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

Valutek

Polyester Wiper



Cold Knife Cut Edge

Valutek's standard weight polyester wiper is constructed from 100% continuous filament polyester in a double-knit, no-run, interlock pattern with cold knife-cut edges. This wiper is a clean and moderately absorbent wiper with low levels of particulate and extractable counts.

Laundered and packaged in a cleanroom.

All Valutek wipers are tested and manufactured in ISO-compliant facilities under Valutek inspection and strict process control to ensure Valutek quality standards and product specifications.

Features

- ▽ 100% continuous filament, double-knit polyester fiber
- ▽ Cold knife cut edge
- ▽ Moderate absorbency and abrasion resistance

Part Number: VTPNW

- ▽ Chemical compatible with IPA and other common solvents
- ▽ Low levels of particulate and extractable counts
- ▽ Available in a variety of sizes to suit most applications

Application

As part of the **Valutek Microtek product family**, this product is recommended for use in cleanroom **Class 100-1,000 (ISO 5-6)** critical environments.

It is commonly used in a wide range of applications, including fabs and suite construction breakdown cleaning, equipment wrapping, wiping, stencil and print roll cleaning, cleaning medical devices, and autoclavable/sterile product cleaning for aseptic applications.

This wiper is available with customized saturated chemistries to meet your specific application requirements.

Size and Packaging



Part Number	Size	Packaging
VTPNW-44	4" x 4" 10 cm x 10 cm	600 ea/bag, 8 bags/case, 4800 ea/case
VTPNW-99	9" x 9" 23 cm x 23 cm	150 ea/bag, 8 bags/case, 1200 ea/case
VTPNW-1212	12" x 12" 30 cm x 30 cm	75 ea/bag, 5 bags/case, 375 ea/case
VTPNW-2020	20" x 20" 51 cm x 51 cm	100 ea/bag, 2 bags/case, 200 ea/case
VTPNW-2144	21" x 44" 53 cm x 112 cm	75 ea/bag, 2 bags/case, 100 ea/case

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



Gloves



Wipers



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD



Valutek Standard Weight Polyester Wiper

Part Number: VTPNW

VTPNW Technical Performance

Physical Attribute	Value	Units	Test Method
Basis Weight SPEC	135 ± 5	g/m²	TAPPI T-410
Absorbency SPEC			
Sorptive Efficiency	2	mL/g	IEST-RP.CC004.4, Sec 9.1/Sec 8.2
Sorptive Capacity	310	mL/m²	
Sorptive Rate	<1	second	
Cleanliness Attribute	SPEC*	TPV**	Test Method
Particle Counts			
LPC: ≥0.5 µm (m²)	< 11 X 10 ⁶ /m²	4.84 X 10 ⁶ /m²	IEST-RP.CC004.4, Sec 7.1.3/Sec 7.2.1
LPC: ≥0.5 µm (cm²)	< 1.1 X 10 ³ /cm²	0.484 X 10 ³ /cm²	
Fiber Counts			
Fibers: ≥ 100 µm (m²)	< 2500 /m²	1500 /m²	IEST-RP.CC004.4, Sec 7.1.3/Sec 7.2.2
Fibers: ≥ 100 µm (cm²)	< 0.25 /cm²	0.15 /cm²	
Non Volatile Residue (NVR)			
DI Water Extractant	< 0.02 g/m²	0.01 g/m²	IEST-RP.CC004.4, Sec 8.1.2
IPA Extractant	< 0.10 g/m²	0.05 g/m²	
FTIR			
Silicone Oil, Amide & DOP	Not Detectable	Not Detectable	IEST-RP.CC004.4, Sec 8.2.1
Extractable Counts (Ions)			
Sodium(Na ⁺)	<0.2 ppm	0.03 ppm	IEST-RP.CC004.4, Sec 8.2.2
Potassium(K ⁺)	<0.2 ppm	0.05 ppm	
Calcium(Ca ²⁺)	<0.5 ppm	0.07 ppm	
Magnesium(Mg ²⁺)	<0.2 ppm	0.02 ppm	
Ammonium(NH ₄ ⁺)	<0.3 ppm	0.03 ppm	
Nitrate(NO ₃ ⁻)	<0.3 ppm	0 ppm	
Fluoride(F ⁻)	<0.2 ppm	0 ppm	
Nitrite(NO ₂ ⁻)	<0.2 ppm	0 ppm	
Bromide(Br ⁻)	<0.2 ppm	0 ppm	
Phosphate(PO ₄ ³⁻)	<0.3 ppm	0.01 ppm	
Chloride(Cl ⁻)	<0.2 ppm	0.01 ppm	
Sulfate(SO ₄ ²⁻)	<0.2 ppm	0.01 ppm	

Notes:

*SPEC values listed reflect upper/lower manufacturing specification limits.

**TPV, or "Typical Published Values", are based on actual 36 month rolling lot average. These reflect typical performance, not minimum or maximum values.

Certificates of Analysis available upon request for actual lot-to-lot test data. Full **36 month lot trend analysis** report available upon request.



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