

Valutek Lightweight Laser-Sealed Polyester Wiper



NanoTek
ISO 3-4 (Class 1-10)

Valutek's lightweight, laser-sealed polyester wiper is constructed from 100% lightweight continuous filament polyester in a double-knit, no-run, interlock pattern with a laser-sealed edge.

This wiper is ultraclean, highly absorbent, and has critically 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's quality standards and product specifications.

Features

- 100% continuous filament, double-knit polyester fiber
- Laser sealed (thermally sealed) edge for reduced fiber contamination
- Moderate absorbency and abrasion resistance
- Chemically compatible with IPA and other common solvents



Laser Sealed Edge

Part Number: VTPNWLWLS

- Extremely low levels of particulate and extractable counts
- Light-weight material reduces both actual cost and landfill waste impact
- Available in a variety of sizes to suit most applications

Application

As part of the Valutek Nanotek product family, this product is recommended for use in cleanroom **Class 1-10 (ISO 3-4)** critical environments.

This wiper is also commonly utilized in a wide variety of applications, including cleaning medical device products, cleaning video displays, cleaning instrument panels, and general wiping and cleaning in the semiconductor and microelectronics industry.

Pre-Saturated Option:

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

Size and Packaging



Part Number	Size	Packaging
VTPNWLWLS-99	9" x 9" 23 cm x 23 cm	150 ea/bag, 8 bags/case, 1200 ea/case
VTPNWLWLS-1212	12" x 12" 30 cm x 30 cm	75 ea/bag, 5 bags/case, 375 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 Lightweight Laser-Sealed Polyester Wiper

Part Number: VTPNWLWLS

VTPNWLWLS Technical Performance

Attribute	Value	Units	Test Method	
Basis Weight	120 ± 10	g/m ²	TAPPI T-410	
Absorbency				
Sorptive Efficiency	2	mL/g	IEST-RP.CC004.3, Sec 8.1/Sec 8.2	
Sorptive Capacity	310	mL/m ²		
Sorptive Rate	<1	second		
Particle Counts				
LPC: ≥0.5 μm	<10	10 ⁶ x particles/m ²	IEST-RP.CC004.3, Sec 6.1.3/Sec 6.2.1	
Non Volatile Residue (NVR)				
DI Water Extractant	0.02	g/m ²	IEST-RP.CC004.3, Sec 7.1.2	
IPA Extractant	0.1	g/m ²		
Extractable Counts (Ions)				
Sodium(Na ⁺)	<0.2 ppm	Fluoride(F)	<0.2 ppm	IEST-RP.CC004.3, Sec 7.2.2
Potassium(K ⁺)	<0.2 ppm	Nitrite(NO ₂ ⁻)	<0.2 ppm	
Calcium(Ca ²⁺)	<0.5 ppm	Bromide(Br ⁻)	<0.2 ppm	
Magnesium(Mg ²⁺)	<0.2 ppm	Phosphate(PO ₄ ³⁻)	<0.3 ppm	
Ammonium(NH ₄ ⁺)	<0.3 ppm	Chloride(Cl ⁻)	<0.2 ppm	
Nitrate(NO ₃ ⁻)	<0.3 ppm	Sulfate(SO ₄ ²⁻)	<0.2 ppm	

***Note:** Technical data listed reflects upper/lower limits. Certificates of Analysis available upon request for actual lot-to-lot test data. 36 month lot trend analysis available upon request.



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