

Valutek Light-Weight Laser-Sealed Polyester Wiper

Part Number: VTPNWLWLS



Description: Valutek's light-weight laser sealed polyester wiper is constructed from 100% light-weight continuous filament polyester in a double-knit, no-run, interlock pattern with a laser sealed edge. This wiper is an ultraclean and highly absorbent wiper with 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 quality standard 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
 - 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 a cleanroom Class 1-10 (ISO 3-4) critical environment. It is also commonly used for a wide variety of applications such as cleaning medical device products, cleaning video displays, cleaning instrument panels, general wiping and cleaning in semiconductor and microelectronics.

Pre-Wetted Option:

This wiper is available pre-wetted with custom chemistries.

VTPNWLWLS Sizes and Packaging

Wiper Part Number	Size	Packaging
VTPNWLWLS-99	9" x 9"	150 ea/bag, 8 bags/case, 1200 ea/case
VTPNWLWLS-1212	12" x 12"	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 date of manufacturing.



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

