

Valutek Laser-Sealed Polyester Wiper

Part Number: VTPNWLS



Description: Valutek's laser sealed polyester wiper is constructed from 100% 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
 - 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.

VTPNWLS Sizes and Packaging

Wiper Part Number	Size	Packaging
VTPNWLS-44	4" x 4" 10 cm x 10 cm	600 ea/bag, 8 bags/case, 4800 ea/case
VTPNWLS-66	6" x 6" 15 cm x 15 cm	600 ea/bag
VTPNWLS-99	9" x 9" 23 cm x 23 cm	150 ea/bag, 8 bags/case, 1200 ea/case
VTPNWLS-1212	12" x 12" 30 cm x 30 cm	75 ea/bag, 10 bags/case, 750 ea/case
VTPNWLS-1818	18" x 18" 46 cm x 46 cm	40 ea/bag, 12 bags/case, 480 ea/case
VTPNWLS-2020	20" x 20" 51 cm x 51 cm	100 ea/bag, 2 bags/case, 200 ea/case
VTPNWLS-2626	26" x 26" 66 cm x 66 cm	50 ea/bag, 3 bags/case, 150 ea/case



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- 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.

VTPNWLS Technical Performance

Attribute	Value	Units	Test Method
Basis Weight	135 ± 5	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.

