

# 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, 5 bags/case, 375 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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Part Number: VTPNWLS



- 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 <sup>2</sup>	TAPPI T-410
<b>Absorbency</b>			
Sorptive Efficiency	2	mL/g	IEST-RP.CC004.3, Sec 8.1/Sec 8.2
Sorptive Capacity	310	mL/m <sup>2</sup>	
Sorptive Rate	<1	second	
<b>Particle Counts</b>			
LPC: ≥0.5 μm	<10	10 <sup>6</sup> particles/m <sup>2</sup>	IEST-RP.CC004.3, Sec 6.1.3/Sec 6.2.1
<b>Non Volatile Residue (NVR)</b>			
DI Water Extractant	0.02	g/m <sup>2</sup>	IEST-RP.CC004.3, Sec 7.1.2
IPA Extractant	0.1	g/m <sup>2</sup>	

Extractable Counts (Ions)						
Sodium(Na <sup>+</sup> )	<0.2	ppm	Fluoride(F)	<0.2	ppm	IEST-RP.CC004.3, Sec 7.2.2
Potassium(K <sup>+</sup> )	<0.2	ppm	Nitrite(NO <sub>2</sub> <sup>-</sup> )	<0.2	ppm	
Calcium(Ca <sup>2+</sup> )	<0.5	ppm	Bromide(Br)	<0.2	ppm	
Magnesium(Mg <sup>2+</sup> )	<0.2	ppm	Phosphate(PO <sub>4</sub> <sup>3-</sup> )	<0.3	ppm	
Ammonium(NH <sub>4</sub> <sup>+</sup> )	<0.3	ppm	Chloride(Cl)	<0.2	ppm	
Nitrate(NO <sub>3</sub> <sup>-</sup> )	<0.3	ppm	Sulfate(SO <sub>4</sub> <sup>2-</sup> )	<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.

