

# Valutek Ultrasonic Sealed Polyester Wiper

Part Number: VTPNWUS



**Description:** Valutek's ultrasonic sealed polyester wiper is constructed from 100% continuous filament polyester in a double-knit, no-run, interlock pattern with ultrasonic sealed edge. This wiper is an ultraclean and highly absorbent wiper with extremely 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
  - Ultrasonic sealed edge for reduced fiber contamination
  - Moderate absorbency and abrasion resistance
  - Excellent chemical compatibility 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 clean-room Class 1 -10 (ISO 3-4) critical environment. It is designed for critical processing applications where the highest level of contamination control is required. It is also commonly used for cleaning medical device products; applying, removing, cleaning and disinfecting solutions; steam autoclavable for aseptic environments, used for flat panel, optics cleaning and chips multi-processing (CMP).

## Pre-Wetted Option:

This wiper is available pre-wetted with custom chemistries.

## VTPNWUS Size and Packaging

Wiper Part Number	Size	Size	Packaging
VTPNWUS-44	4" x 4"	10 cm x 10 cm	600 ea/bag, 8 bags/case, 4800 ea/case
VTPNWUS-66	6" x 6"	15 cm x 15 cm	600 ea/bag, 8 bags/case, 4800 ea/case
VTPNWUS-99	9" x 9"	23 cm x 23 cm	150 ea/bag, 8 bags/case, 1200 ea/case
VTPNWUS-1212	12" x 12"	30 cm x 30 cm	75 ea/bag, 10bags/case, 750 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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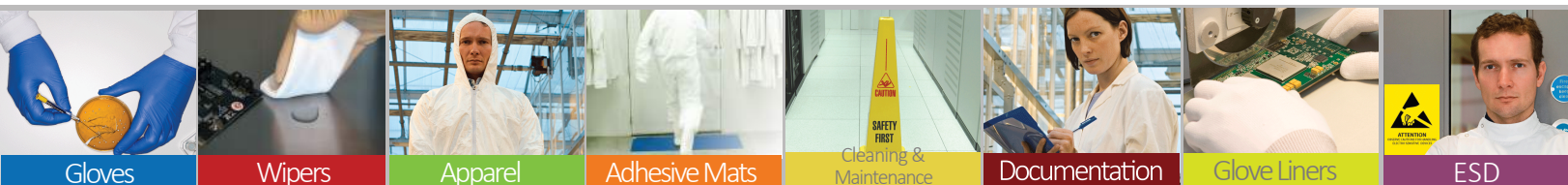


## VTPNWUS Technical Performance

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.



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