



NanoTek  
ISO 3-4 (Class 1-10)

# Valutek 2-Ply Ultrasonic Sealed Polyester Wiper



Part Number: VT2PNWUS

Valutek's 2-Ply ultrasonic-sealed polyester wiper is made from 100% continuous filament polyester in a 2-ply double-knit, no-run, interlock pattern with ultrasonically sealed edges. This wiper is exceptionally clean and offers high absorbency with critically low levels of particulate and extractable counts.

It undergoes laundering and is packaged in a cleanroom.

All Valutek wipers are rigorously tested and manufactured in ISO-compliant facilities under Valutek's inspection and strict process control to maintain Valutek quality standards and meet product specifications.

## Features

- 100% continuous filament, double-knit polyester fiber
- 2-ply construction with unique pattern and knitting structure that provides the highest cleanliness
- Ultrasonic sealed edge for reduced fiber contamination
- Highest possible absorbency
- Chemically compatible with IPA and other common solvents

- Critically 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 cleanroom Class 1-10 (ISO 3-4) critical environments.

This wiper is designed for critical processing applications that demand high absorbency and low particle levels. It is commonly employed for spill control, large-volume cleaning, sterilization, disinfection, cleaning surfaces, and is also suitable for steam autoclaving in aseptic environments.

## Pre-Saturated Option:

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

## Size and Packaging



Part Number	Size	Packaging
VT2PNWUS-46	4" x 6"   10 cm x 15 cm	600 ea/bag, 6 bags/case, 3600 ea/case
VT2PNWUS-99	9" x 9"   23 cm x 23 cm	100 ea/bag, 8 bags/case, 800 ea/case
VT2PNWUS-1212	12" x 12"   30 cm x 30 cm	100 ea/bag, 8 bags/case, 800 ea/case
VT2PNWUS-1818	18" x 18"   46 cm x 46 cm	20 ea/bag, 10bags/case, 200 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



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## VT2PNWUS Technical Performance

Attribute	Value	Units	Test Method	
<b>Basis Weight</b>	240 ± 10	g/m <sup>2</sup>	TAPPI T-410	
<b>Absorbency</b>				
Sorptive Capacity	700	ml/m <sup>2</sup>	IEST-RP.CC004.3, Sec 8.1/Sec 8.2	
Sorptive Rate	<2	second		
<b>Particle Counts</b>				
LPC: ≥0.5 µm	<10	10 <sup>6</sup> X 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	0.05	g/m <sup>2</sup>	IEST-RP.CC004.3, Sec 7.1.2	
IPA Extractant	0.2	g/m <sup>2</sup>		
<b>FTIR</b>				
Silicone Oil, Amide & DOP	Not Detectable		IEST-RP.CC004.3, Sec 7.2.1	
<b>Extractable Counts (Ions)</b>				
Sodium(Na <sup>+</sup> )	<0.2 ppm	Nitrate(NO <sub>3</sub> <sup>-</sup> )	<0.3 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	Chloride(Cl <sup>-</sup> )	<0.2 ppm	
Magnesium(Mg <sup>2+</sup> )	<0.2 ppm	Sulfate(SO <sub>4</sub> <sup>2-</sup> )	<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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