

Valutek 2-Ply Ultrasonic Sealed Polyester Wiper

Part Number: VT2PNWUS



Description: Valutek's 2-Ply ultrasonic sealed polyester wiper is constructed from 100% continuous filament polyester in a 2-ply double-knit, no-run, interlock pattern with ultrasonic sealed edges. This wiper is ultraclean and highly absorbent 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 polyester knit
 - 2-ply construction with unique pattern and knitting structure that provides the highest cleanliness
 - Ultrasonic sealed edge with reduced contamination
 - Highest possible absorbency
 - Chemically compatible with IPA and other 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 a cleanroom Class 1-10 (ISO 3-4) critical environment. It is designed for critical processing applications where high absorbency and low particles are required. It is commonly used for spill control, large volume cleaning, sterilizing, disinfecting, cleaning surfaces and steam autoclavable for aseptic environments.

Pre-Wetted Option:

This wiper is available pre-wetted with custom chemistries.

VT2PNWUS Sizes and Packaging

Wiper 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, 10 bags/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 date of manufacturing.



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VT2PNWUS Technical Performance

Attribute	Value	Units	Test Method
Basis Weight	240 ± 10	g/m ²	TAPPI T-410
Absorbency			
Sorptive Capacity	700	mL/m ²	IEST-RP.CC004.3, Sec 8.1/Sec 8.2
Sorptive Rate	<2	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)			
IPA Extractant	0.2	g/m ²	IEST-RP.CC004.3, Sec 7.1.2
DI Water Extractant	0.05	g/m ²	

Extractable Counts (Ions)						
Sodium(Na ⁺)	<0.2	ppm	Nitrite(NO ₂ ⁻)	<0.2	ppm	IEST-RP.CC004.3, Sec 7.2.2
Potassium(K ⁺)	<0.2	ppm	Chloride(Cl ⁻)	<0.2	ppm	
Calcium(Ca ²⁺)	<0.5	ppm	Sulphate(So ₄ ²⁻)	<0.2	ppm	
Magnesium(Mg ²⁺)	<0.2	ppm				
Nitrate(NO ₃ ⁻)	<0.3	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.

