

Valutek Pressure-Heat Sealed Polyester Wiper

Part Number: VTPNWPHS



Description: Valutek's pressure-heat sealed polyester wiper is constructed from 100% continuous filament polyester in a double-knit, no-run, interlock pattern with pressure-heat sealed edges. This wiper is an ultraclean and highly absorbent wiper with ultra low levels of particulate and extractable counts. Laundered and packaged in the 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
 - Pressure-heat sealed edge for lowest available fiber contamination
 - High absorbency and abrasion resistance
 - Excellent chemical compatibility with IPA, Acetone and other common solvents
 - Ultra low levels of particulate and extractable counts

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 the highest level of contamination control is required. It is also commonly used for cleaning medical device products; applying, removing, cleaning and disinfecting solutions; is 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.

VTPNWPHS Size and Packaging

Wiper Part Number	Size	Packaging
VTPNWPHS-99	9" x 9" 23 cm x 23 cm	150 ea/bag, 8 bags/case, 1200 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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VTPNWPHS 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	<7	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.



Gloves



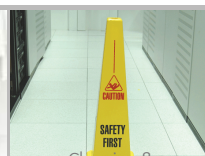
Wipers



Apparel



Adhesive Mats



Cleaning & Maintenance



Documentation



Glove Liners



ESD