Valutek Pre-Saturated Laser Sealed Lightweight Polyester

NanoTek
ISO 3-4 (Class 1-10)

Laser Sealed Edge

Valutek's lightweight pre-wetted polyester wiper is made of 100% continuous filament polyester fabric saturated with a blend of isopropyl alcohol and DI water.

This pre-saturated format boosts the wiper's absorbency, enhances its effectiveness, and minimizes airborne contamination typically caused by traditional solvent bottle dispensers, sprays, and spills.

All Valutek pre-saturated wipers are mixed and cleanroom vacuum sealed under documented inspection and process control to meet Valutek quality standards and product specifications.

Part Number: VTPNWLWLSI

Features

- 100% continuous filament, double-knit polyester

- Laser-sealed (thermally sealed) edges to minimize fiber contamination.

- Pre-wetted with specified IPA/DI Water concentrations to achieve a 38% saturation level.

- Comprised of 99.99% IPA mixed with 18 megohm DI water for unparalleled assayed purity.

- Available in both reusable pail packaging and refill pack packaging options.

- The pre-wet solution enhances both cleaning efficiency and cleaning protocol consistency.

- Extremely low levels of particles, fibers, ions, and extractables.

Application

As part of the V**alutek Nanotek product family**, this product is recommended for **Class 1 -10 (ISO 3-4)** critical environments.

This product is specifically designed for cleaning critical surfaces in environments where strict control of flammable solvents and their concentrations is essential.

The various IPA blend levels it offers are well-suited for effectively removing different cleaning and disinfecting residues in regulated environments.

- 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.

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VTPNWLWLSI Sizes, IPA Concentration Percentage and Packaging

Reusable Pail Package

Part Number	Size	IPA / DI H$_2$O (%)	Packaging
VTPNWLWLSI70-66	6" x 6"	15 cm x 15cm	70/30	150 ea/pail, 2 pails/case, 300 ea/case
VTPNWLWLSI70-99	9" x 9"	23 cm x 23 cm	70/30	150 ea/pail, 2 pails/case, 300 ea/case
VTPNWLWLSI70-1212	12" x 12"	30 cm x 30 cm	70/30	75 ea/pail, 2 pails/case, 150 ea/case
VTPNWLWLSI99-66	6" x 6"	15 cm x 15cm	99/1	150 ea/pail, 2 pails/case, 300 ea/case

Part Number	Size	IPA / DI H$_2$O (%)	Packaging
VTPNWLWLSI70R-66	6" x 6"	15 cm x 15 cm	70/30	75 ea/bag, 2 bags/pack, 8 packs/cases, 1200 ea/case
VTPNWLWLSI70R-99	9" x 9"	23 cm x 23 cm	70/30	75 ea/bag, 2 bags/pack, 4 packs/cases, 600 ea/case
VTPNWLWLSI70R-1212	12" x 12"	30 cm x 30 cm	70/30	75 ea/bag, 1 bag/pack, 5 packs/case, 375 ea/case
VTPNWLWLSI99R-66	6" x 6"	15 cm x 15 cm	99/1	75 ea/bag, 2 bags/pack, 8 packs/cases, 1200 ea/case

Refill Pack Package

VTPNWLWLSI Technical Performance (In Dry State)

Attribute	Value	Units	Test Method
Basis Weight	120± 10	g/m^2	TAPPI T-410
Absorbency			
Sorptive Efficiency	2	mL/g	
Sorptive Capacity	310	mL/m^2	IEST-RP.CC004.4, Sec 9.1/Sec 9.2
Sorptive Rate	<1	second	
Particle Counts			
LPC: ≥0.5 μm	<10	10^6 X particles/m^2	IEST-RP.CC004.4, Sec 7.1.3/Sec 7.2.1
Non Volatile Residue (NVR)			
DI Water Extractant	0.02	g/m^2	IEST-RP.CC004.4, Sec 8.1.2
IPA Extractant	0.1	g/m^2	

Extractable Counts (Ions)

Sodium(Na$^+$)	<0.2	ppm	Fluoride(F$^-$)	<0.2	ppm	
Potassium(K$^+$)	<0.2	ppm	Nitrite(No$_2$$^-$)	<0.2	ppm	
Calcium(Ca^{2+})	<0.5	ppm	Bromide(Br$^-$)	<0.2	ppm	IEST-RP.CC004.4, Sec 8.2.2
Magnesium(Mg^{2+})	<0.2	ppm	Phosphate(PO$_4$$^{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.

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