

# Valutek Light-Weight Polyester Wiper



Cold Knife Cut Edge

Part Number: VTPNWLW

Valutek's lightweight polyester wiper is constructed from lightweight, 100% continuous filament polyester in a double-knit, no-run, interlock pattern with cold knife-cut edges. This wiper is a clean and moderately absorbent wiper with 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 standards and product specifications.

## Features

- 100% continuous filament, double-knit polyester fiber
- Cold knife cut edge
- Moderate absorbency and abrasion resistance
- Chemical compatible with IPA and other common solvents
- Low levels of particulate and extractable counts

- Light weight material reduces both actual cost and the landfill waste impact
- Available in a variety of sizes to suit most applications

## Application

As part of the Valutek Microtek product family, this product is recommended for use in cleanroom Class 100-1,000 (ISO 5-6) critical environments.

It is also commonly used for a wide range of applications, including spill control, general wiping, fab breakdown cleaning, suite construction, cleaning medical devices, burnishing magnetic media surfaces, and wiping surfaces.

## Pre-Saturated Option:

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

## Size and Packaging



| Part Number  | Size                      | Packaging                              |
|--------------|---------------------------|--|
| VTPNWLW-99   | 9" x 9"   23 cm x 23 cm   | 150 ea/bag, 8 bags/case, 1200 ea/case  |
| VTPNWLW-1212 | 12" x 12"   30 cm x 30 cm | 100 ea/bag, 10 bags/case, 1000 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 &amp; Maintenance



Documentation



Glove Liners



ESD



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## VTPNWLW Technical Performance

| Attribute                               |          | Value                                     | Units                          | Test Method                          |
|---|----------|---|--------------------------------|--------------------------------------|
| Basis Weight                            |          | 120 ± 10                                  | g/m²                           | TAPPI T-410                          |
|   |          |   |                                |                                      |
| Absorbency                              |          |   |                                |                                      |
| Sorptive Efficiency                     |          | 2   | mL/g                           | IEST-RP.CC004.4, Sec 9.1/Sec 9.2     |
| Sorptive Capacity                       |          | 310                                       | mL/m²                          |                                      |
| Sorptive Rate                           |          | <1  | second                         |                                      |
| Particle Counts                         |          |   |                                |                                      |
| LPC: ≥0.5 µm                            |          | <11                                       | 10 <sup>6</sup> X particles/m² | IEST-RP.CC004.4, Sec 7.1.3/Sec 7.2.1 |
| Non Volatile Residue (NVR)              |          |   |                                |                                      |
| DI Water Extractant                     |          | 0.02                                      | g/m²                           | IEST-RP.CC004.4, Sec 8.1.2           |
| IPA Extractant                          |          | 0.1                                       |                                |                                      |
| FTIR                                    |          |   |                                |                                      |
| Silicone Oil, Amide & DOP               |          | Not Detectable                            |                                | IEST-RP.CC004.4, Sec 8.2.1           |
| Extractable Counts (Ions)               |          |   |                                |                                      |
| Sodium(Na <sup>+</sup> )                | <0.2 ppm | Fluoride(F)                               | <0.2 ppm                       | IEST-RP.CC004.4, Sec 8.2.2           |
| 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 <sup>-</sup> )                 | <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 <sup>-</sup> )                | <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 listed reflects upper/lower limits. Certificates of Analysis available upon request for actual lot-to-lot test data.



Valutek WEST  
Phoenix, AZ - USA

Valutek EAST  
Albany, NY - USA

Valutek ASIA  
Penang - Malaysia

1.800.763.1250

orderdesk@valutek.com

valutek.com

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