

## VISION 50™

ESD Safe Knit Polyester Cleanroom

### Technical Data Sheet

#### Description

VISION 50™ cleanroom wipes are made from knit 100% polyester and conductive yarn designed to dissipate electrical charge. These wipes are manufactured in a cleanroom environment and cleanroom packaged.

#### Features and Benefits

- Manufactured from 100% polyester providing a tough, absorbent and abrasion resistant product
- Safe for ESD-sensitive areas
- Surface resistivity is  $1 \times 10^8 - 1 \times 10^{10}$  ohms
- Production process guarantee extremely low particle generation and chemical extractables
- Compatible with virtually any solvent or solution for cleaning and wiping
- Meets USP <797> and USP <800> wipe requirements
- Provide lot-to-lot traceability
- Custom Products available upon request

#### Cleanroom Environment

- ISO Class 5-8
- Class 100-100,000

#### Industries

- Laboratory
- Medical Devices
- Aerospace
- Pharmaceutical
- Electronics
- Printing
- Industrial

#### Applications

- Wiping and cleaning products, tools and other equipment in ESD-sensitive areas
- Cleaning with a variety of solvents including isopropyl alcohol (IPA)
- Controlling spills
- Application and removal of solutions such as disinfectants, adhesives, residues, etc.
- Tray lining
- Cleaning notebooks, phones, and any other supplies within the cleanroom



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Physical Characteristics	
<b>Basis Weight</b>	140 gsm
<b>Thickness</b>	0.45 mm
<b>Surface Resistivity</b>	1x10 <sup>8</sup> – 1x10 <sup>10</sup> ohms/sq
<b>Absorbency</b>	
Sorptive Capacity (IEST-RP-CC004.3, Sec 8.1)	263 mL/m <sup>2</sup>
Sorptive Rate (IEST-RP-CC004.3, Sec 8.2)	0.8 sec
Performance Characteristics	
<b>Particles</b>	
LPC (≥ 0.5µm) (IEST-RP-CC004.3, Sec 6.1.4)	11.0 x 10 <sup>6</sup> counts/m <sup>2</sup>
APC (≥ 0.5µm) (IEST-RP-CC003.2, Helmke drum @ 10 rpm)	1.34 x 10 <sup>3</sup> counts/m <sup>2</sup> /cfm
<b>Non-volatile Residue, NVR</b> (IEST-RP-CC004.3, Sec 7.1.2)	
DI water extractant	0.045 mg/g
IPA extractant	0.080 mg/g
<b>Ions</b> (IEST-RP-CC004.3, Sec 7.2.2)	
Chloride (Cl)	0.000684 mg/g
Nitrates (NO <sub>3</sub> )	0.0000709 mg/g
Nitrite (NO <sub>2</sub> )	0.0000766 mg/g
Phosphate (PO <sub>4</sub> )	0.000352 mg/g
Sulphate (SO <sub>4</sub> )	0.000541 mg/g
Sodium (Na)	0.000483 mg/g
Potassium (K)	0.000609 mg/g
Magnesium (Mg)	0.0000318 mg/g
Calcium (Ca)	0.0000446 mg/g
<b>Organics by FTIR</b> (IEST-RP-CC004.3, Sec 7.2.1)	No Silicone oil, Amide, DOP detected

**Disclaimer:** Technical data represented in this table are typical values at the time of publication. These should not be used as product specifications. The information presented here is applicable to the part numbers shown above, as well as to any product containing the same materials and produced under the same conditions, regardless of product size or packaging configuration. Please note that testing of pre-saturated products is completed prior to saturation. It is the Buyer's responsibility to independently determine suitability of any products and to test and verify these results.

Product Number	Size	Packaging	Case
VS50-99	9" x 9" (23 cm x 23 cm)	150 wipes/bag	12 bags
VS50-1212	12" x 12" (30 cm x 30 cm)	100 wipes/bag	10 bags
<b>Custom products available upon request</b>			