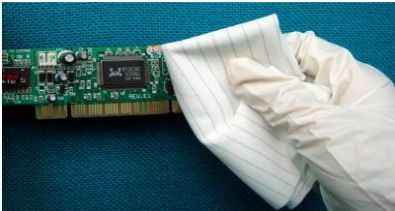


ESD Polyester Wiper

PRODUCT DATA SHEET

DESCRIPTION

ESD polyester wiper is made of 100% continuous polyester filament with conductive yarn designed to dissipate electrical charge and control ESD. It is ideal for wiping exterior areas of products in ESD-sensitive areas as well as cleaning of process tools and other equipment.



FEATURES

- Laser sealed edge ensures ultra low lint and particle level
- Surface Resistivity is 1×10^8 - 1×10^{10} ohms
- Good sorbency with solvents
- Solvent safe, double bagged and vacuum cleanroom packed

APPLICATIONS

- Suitable for class 100 – 1,000 cleanrooms
- Wiping products in ESD-sensitive areas

TECHNICAL DATA

PERFORMANCE CHARACTERISTICS

Basis Weight	140 gsm
Thickness <i>(micrometer)</i>	0.49 mm
Surface Resistivity (1 side)	1×10^8 - 1×10^{10} ohms/sq
Absorbency Rate & Capacity <i>(IEST-RP-CC 004.3)</i>	
Sorbent capacity	337 ml/m ²
Rate <i>(Drop Disappearance mtd.)</i>	0.8 sec

CONTAMINATION CHARACTERISTICS

Nonvolatile Residue, NVR <i>(IEST-RP-CC 004.3, Analysis for Unspecified Extractable Matter)</i>	
IPA Extractant (100 ml IPA at ambient temp for 24 hrs)	0.080 mg/g
DIW Extractant (100 ml DI water at ambient temp for 24 hrs)	0.045 mg/g
FTIR	NO Silicon Oil, Amide and DOP detected
Ion Content <i>(IEST-RP-CC 004.3, Thorough Extraction Method)</i>	
Chloride (Cl)	0.000684 mg/g
Nitrates (NO ₃)	0.0000709 mg/g
Nitrite (NO ₂)	0.0000766 mg/g
Phosphate (PO ₄)	0.000352 mg/g
Sulphate (SO ₄)	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
Releasable Particles	
LPC (≥ 0.5 um) <i>(IEST-RP-CC 004.3-orbital shake mtd)</i>	6.5×10^6 particles/m ²
APC (Helmke Drum Test @10rpm); ≥ 0.5 um <i>(IES-RP-CC003.2)</i>	100 counts/pc./cfm -9"x9" 1.941×10^3 counts/m ² /cfm

NOTE:
*Data shown are typical values and should not be used as specifications.