

Product Data Sheet

ESD Microfiber Wiper, Cleanroom

TNP100108PK, TNP100109PK



Description

A Microfiber Knit Wiper certified for ESD safe and cleanroom environments. The wipers are constructed with densely knitted micro denier filament. The unique structure of microfiber improves the surface contact, and provides more effective cleaning.

Applications

- Wiping and cleaning surfaces, equipment and parts.
- Applying and removing lubricants and adhesives.
- Suited for sensitive electrostatic discharge applications.
- Cleaning with solvents such as isopropyl alcohol (IPA), ethanol, acetone, and degreasers.
- The surface resistivity is $1 \times 10^6 - 1 \times 10^{11}$ ohms/sq.

Technical Data

Wipe material 75% Polyester 25% Nylon

Attribute; (units)	Value **	Test Method
Basis weight; nominal (g/m ²)	185	MSD-QI-QS-007 A0
Absorbency in water		IEST-RP-CC004.3
Intrinsic; (mL/g)	1.92	
Extrinsic; (mL/m ²)	357	
Sorptive rate; (seconds)	1	IEST-RP-CC004.3
Non-volatile residue, NVR		IEST-RP-CC004.3
In deionized water; (g/m ²)	0.064	
In isopropanol; (g/m ²)	0.112	
Specific ions		IEST-RP-CC004.3
Sodium; (ppm)	0.052	
Chloride; (ppm)	0.096	
Potassium; (ppm)	0.086	
Particles, readily releasable		
APC: $\geq 0.3 \mu\text{m}(\text{Ea}/\text{ft}^3)$	72	IEST-RP-CC003.3
LPC: $\geq 0.5 \mu\text{m}(10^6/\text{m}^2)$	12	IEST-RP-CC004.3

Cleanroom Environment

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

Shelf Life

- Non-Sterile (Dry) – 3 years from date of manufacture
- Non-Sterile (Pre-Wetted) – 2 years from the date of manufacture
- Sterile – 2 years from the date of manufacture

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Features and Benefits

- Cleanroom laundered and packaged providing ultra-low levels of ions and non volatile residues.
- The surface resistivity is $1 \times 10^6 - 1 \times 10^{11}$ ohms/sq.
- Static dissipative wipe that is well suited for applications sensitive to electrostatic discharge.
- This wipe will not easily snag or abrade releasing articles and fibers into the process or environment.
- Excellent chemical resistance for compatibility with a variety of solutions.
- Individually lot coded for ease of traceability and quality control.
- Good absorption with water and solvents.
- Remove residues from the surface more effectively.
- Suited for sensitive electrostatic discharge applications



Products

Part Number	Description	Sterile	Packaging	Case
<i>Dry wipes</i>				
TNP100108PK	9" x 9" dry		100 wipes/bag	10 bags
TNP100109PK	12" x 12"dry		75 wipes/bag	10 bags

Notes:

- 1) Valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
- 2) 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.
- 3) Size can be customized according to customer requirements.
- 4) Stacked, Bulk and Folded method can be customized according to customer requirements.

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