

Teknipure®

Teknipure.com

# TekniClean® Pro Cleanroom Wipers

100% Polyester with a Sealed Border

TekniClean® Pro wipers are made in cleanroom conditions from **100% knit polyester** material and have a **sealed border** that significantly reduces the particles and fibers from the wiper edges.

Available dry (TekniClean® Pro), pre-saturated with 70% IPA/30% DIW and 100% IPA (TekniClean® Pro Presat™) and in ESD Static Shield Bag, dry (TekniClean® Pro ESD) and pre-saturated (TekniClean® Pro Presat ESD).

## Applications:

- Wiping and cleaning surfaces, equipment and parts in high-grade cleanroom environments
- Applying and removing solvents and solutions including disinfectants, lubricants, adhesives, removing residues. See the chemical compatibility chart for additional information

## Features and Benefits:

- The sealed border wipers provide low levels of particles and fibers and are suitable for use in most critical cleanroom environments
- 100% polyester material has an excellent chemical compatibility with a variety of cleaning and disinfecting solutions
- Pre-saturated wipers provide consistent wetness level for optimized and consistent cleaning efficiency
- Different packaging options in easy-to-use, recloseable slider and peel-and reseal bags reduce solution evaporation and preserve the wiper wetness level
- The IPA used for pre-saturation, is 0.2 µm filtered for additional contamination control
- The products are pre-saturated with either 70% USP-Grade IPA or 100% Semiconductor-Grade IPA
- The ESD-Static Shield bag protects the inside wipers from the dissipative charge in critical environments and reduces the ESD risks when handling microelectronic parts and devices



## Industries:

- Pharmaceutical / Biologics
- Medical Device / Optics
- Laboratories / Academia
- Semiconductor / Microelectronics
- Aerospace / Defense
- USP <797> / USP <800>

## Cleanroom Environment:

- ISO Class 2 – 7 (Grades A-D)
- Class <1 – 10,000

## Shelf Life:

- Dry Non-Sterile – 5 years from date of manufacture
- All Presaturated and Sterile – 3 years from date of manufacture

## Storage Conditions:

- Store at ambient conditions (59°F (15°C) - 86°F (30°C))

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TekniClean® Pro		
Part Number	Description	Packaging
TC3PB1-99	Polyester Knit Wiper with Sealed Border, 9"x 9" (23 cm x 23 cm)	100 wipers/bag (2 inner bags of 50), 10 bags/case, Total 1000 wipers/case
TC3PB1-12	Polyester Knit Wiper with Sealed Border, 12"x 12" (30 cm x 30 cm)	100 wipers/bag (2 inner bags of 50), 10 bags/case, Total 1000 wipers/case
TekniClean® Pro ESD		
Part Number	Description	Packaging
TC3PB1S-99	Polyester Knit Wiper with Sealed Border in ESD Static Shield Resealable Bag, Presaturated with 70% IPA/30% DIW, 9"x 9" (23 cm x 23 cm)	100 wipers/bag, 10 bags/case, Total 1000 wipers/case
TC3PB1S-12	Polyester Knit Wiper with Sealed Border in ESD Static Shield Resealable Bag, Presaturated with 70% IPA/30% DIW, 12"x 12" (30 cm x 30 cm)	100 wipers/bag, 10 bags/case, Total 1000 wipers/case
TekniClean® Pro Presat		
Part Number	Description	Packaging
(10% IPA/90% DIW)		
TS3PBI10-99	Polyester Knit Wiper with Sealed Border, Presaturated with 10% IPA/90% DIW, 9"x9", (23 cm x 23 cm)	100 wipers/pail, 2 pails/case, Total 200 wipers/case
TS3PBI10R-99	Polyester Knit Wiper Refill with Sealed Border, Presaturated with 10% IPA/90% DIW, 9"x9" (23 cm x 23 cm)	50 wipers/bag 2 bags/pack, 6 packs/case, Total 600 wipers/case
(70% IPA/30% DIW)		
TS3PBI70Z-99	Polyester Knit Wiper with Sealed Border, Presaturated with 70% IPA/30% DIW, 9"x 9" (23 cm x 23 cm)	50 wipers/resealable bag, 15 bags/case, Total 750 wipers/case
TS3PBI70-99	Polyester Knit Wiper with Sealed Border, Presaturated with 70% IPA/30% DIW, 9"x 9" (23 cm x 23 cm)	100 wipers/pail, 2 pails/case, Total 1000 wipers/case
TS3PBI70R-99	Polyester Knit Wiper with Sealed Border, Refill, Presaturated with 70% IPA/30% DIW, 9"x 9" (23 cm x 23 cm)	50 wipers/bag, 2 bags/pack, 6 packs/case, Total 600 wipers/case
TS3PBI70S-99	Polyester Knit Wiper with Sealed Border, Presaturated with 70% IPA/30% DIW in ESD Static Shield Resealable Bag, 9"x 9" (23 cm x 23 cm)	100 wipers/bag, 5 bags/case, Total 500 wipers/case

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Performance Characteristics	Target Value	Test Method
<b>Particles and Fibers</b>		
LPC >0.50 µm	3 x 10 <sup>6</sup> particles/m <sup>2</sup>	IEST-RP-CC004.3, Section 6.1.4
Fibers >100 µm	200 fibers/m <sup>2</sup>	IEST-RP-CC004.3, Section 6.2.2
<b>Nonvolatile Residue</b>		
IPA Extractant	≤0.03 g/m <sup>2</sup>	IEST-RP-CC004.3, Section 7.1.2
DI Water Extractant	≤0.01 g/m <sup>2</sup>	
<b>Extractable Ions</b>		
Sodium (Na <sup>+</sup> )	≤0.02 ppm	IEST-RP-CC004.3, Section 7.2.2
Potassium(K <sup>+</sup> )	≤0.01 ppm	
Chloride (Cl <sup>-</sup> )	≤0.02 ppm	
<b>Physical Characteristics</b>		
Material	100% Polyester	ASTM D3776
Basis Weight	140 g/m <sup>2</sup>	
<b>Absorbency</b>		
Sorptive Capacity	400 ml/m <sup>2</sup>	IEST-RP-CC004.3, Section 8.1
Sorptive Rate	<1 second	