



Teknipure

Semiconductor Manufacturing

DRY | PRE-SAT | PRECISION MATERIALS

844.309.2376 | Teknipure.com





Meeting Customer Demand Has Never Been More Challenging Due To:

- *Unprecedented global demand*
- *New technologies and process changes*
- *Supply chain interruption*

3 Easy Steps to Improve Yield by Wiping Out Microcontamination:

- 1** Choose materials engineered to remove microcontamination from surfaces effectively and efficiently
- 2** Select wiper performance features that enhance contamination control, such as edges engineered to ensure no loose fibers are released even when scrubbing rough surfaces
- 3** Choose delivery systems that align process effectiveness that align process effectiveness with human productivity, such as presaturated wipers or high capacity delivery systems

INDUSTRY REPORTS SHOW 50% OF YIELD LOSS IN SEMICONDUCTOR MANUFACTURING IS CAUSED BY MICROCONTAMINATION



FOR MORE INFORMATION

TekniPure, with over a decade of experience working with Semiconductor customers, brings to you the microcontamination removal solutions you need to realize yield improvement in your operation

PAGE 3-4 *Solutions for Your Critical Challenges* ▶
PAGE 5 *Solutions for Specialty Applications* ▶

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GOWNING ROOM



Applications

- Versatile floor to ceiling surface cleaning & particle removal
- External contamination cleaning of pass-thru articles

Critical Challenges

- Entrapping & holding foreign material (FM) & particles
- Removing chemical residue
- Following cleaning protocols consistently

FAB



Applications

- Removal of wet & dry processing materials on surfaces & chambers
- Cleaning sensors, robotics, & automated material handling systems

Critical Challenges

- Assuring critical cleaning protocols are followed consistently
- Cleaning a complex range of surfaces & materials
- Dislodging & entrapping contaminants, including on heated surfaces

LAB & TOOL MAINTENANCE



Applications

- Cleaning optical sensors
- Eliminating FM on sensitive components like VAT Valves & gas dispersion plates
- Preventative process tool maintenance

Critical Challenges


- Entrapping FM & leaving surfaces dry & residue free
- Cleaning rough/coarse/sharp surfaces and equipment edges
- Reducing employee VOC exposure

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Brand	Part #	ISO Level	Material	Process Benefits
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GOWNING ROOM

 TekniSat	TS2PL2I70	4+	Pre-saturated Polyester Knit (70% IPA)	<ul style="list-style-type: none"> • TekniSat pre-saturated wipers are excellent for removing particles & residues • Wetting the wiper lowers surface tension & entraps particles securely in the wiper • High-capacity pouches & pails help improve productivity & lower waste
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FAB

 TekniSat	TS3PBI70 or TS2PL2I70	3+ 4+	Pre-saturated Polyester Knit (70% IPA)	<ul style="list-style-type: none"> • Polyester wipers are the “gold standard” for cleanliness, abrasion, & chemical resistance • TekniSat pre-saturated wipers are excellent for removing particles & residues • TekniClean utilizes a proprietary process to ensure ultra-low fiber shedding • Available in ISO Class 3, 4, and 5+ cleanliness levels
 TekniClean	TC3PB1 TC2PL1	3+ 4+	Polyester Knit with Ultrasonic Border or Laser Edge finish	

LAB & TOOL MAINTENANCE

 TekniZorb	TZ1PCS1B	6+	Hydroentangled Polyester / Cellulose	<ul style="list-style-type: none"> • TekniZorb is an economical choice for high-volume wiping with very low levels of lint & extractables • Soft & easily conforms to contoured surfaces like ductwork, piping, & robotics • Blue in color to indicate recommended use areas
 TekniSat	TS3PBI70 or TS2PL2I70	3+ 4+	Pre-saturated Polyester Knit (70% IPA)	<ul style="list-style-type: none"> • TekniClean utilizes a proprietary process to ensure ultra-low fiber shedding • “Gold standard” for cleanliness, abrasion, & chemical resistance • Pre-saturated version enhances wiper performance & compliance
 TekniClean	TC3PB1 or TC2PU1	3+ 4+	Polyester Knit with Ultrasonic Border or Laser Edge finish	
 TekniPure	TC3MFB1 or TC2MFU1	3+ 4+	70 / 30 Polyester/ Nylon Microfiber Blend	<ul style="list-style-type: none"> • TekniPure Microfiber dramatically enhances performance in scrubbing, entrapping FM & residues, and removing contaminants while leaving surfaces pristine • Super-durable weave pattern resists shedding on textured surfaces & harsh equipment edges

OUR FULL RANGE OF INNOVATIVE SEMICONDUCTOR MARKET SOLUTIONS

Teknipure Part #	Description <small>*PET is Polyester</small>	Wet/ Dry	ISO Level	Wiper Size	Packaging
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RECOMMENDED PRODUCT SOLUTIONS

DRY WIPERS

TZ1PCS1B-99	TekniZorb Nonwoven (PET/Cellulose)	Dry	6+	9"x9"	Flat Bag, 300/bag, 10 bags/case
TC2PL1-99	TekniClean (PET Knit)	Dry	4+	9"x9"	Flat Bag, 150/bag, 10 bags/case
TC3PB1-99	TekniClean (PET Knit)	Dry	3+	9"x9"	Flat Bag, 100/bag, 10 bags/case
TC3PB1-12	TekniClean (PET Knit)	Dry	3+	12"x12"	Flat Bag, 100/bag, 10 bags/case

PRE-SATURATED

TS3PBI70Z-99	TekniSat (PET Knit)	70% IPA	3+	9"x9"	Zipper Pouch, 50/pouch, 15 pouches/case
TS2PL2I70-99	TekniSat (PET Knit)	70% IPA	4+	9"x9"	Pail, 150 wipes/ea, 2 pails/case
TS2PL2I70R-99	TekniSat (PET Knit)	70% IPA	4+	9"x9"	Refill Bag for Pail, 600 wipes/case
TS2PUI70P-99	TekniSat (PET Knit)	70% IPA	4+	9"x9"	Pouch, 40 wipes/ea, 24 pouch/case
TS2PUI70Z-99	TekniSat (PET Knit)	70% IPA	4+	9"x9"	Zipper Pouch, 50/pouch, 15 pouches/case

SPECIALTY APPLICATIONS

FAB - ESD (Electrostatic Dissipative) SENSITIVE AREA SOLUTIONS

TC2PL1-99E	TekniClean PET ESD (PET knit with carbon fibers)	Dry	4+	9"x9"	Flat Bag, 100/ea, 10 bags/case
TC2PB1S-99	TekniClean (PET Knit)	Dry	4+	9"x9"	Static Dissipative Zip Bag, 100/bag, 10/case
TC3PB1S-99	TekniClean (PET Knit)	Dry	3+	9"x9"	Static Dissipative Zip Bag, 100/bag, 10/case
TS3PBI70S-99	TekniClean (PET Knit)	70% IPA	3+	9"x9"	Static Dissipative Zip Bag, 100/ea, 5/case
TS3PBI70S-12	TekniClean (PET Knit)	70% IPA	3+	12"x12"	Static Dissipative Zip Bag, 100/ea, 5/case

FAB - HIGH-VOLUME LIQUID ABSORPTION SOLUTIONS

TC3PB3-99	TekniClean Quilted (2-ply PET Knit)	Dry	3+	9"x9"	Flat Bag, 100 wipes/ea, 8 bags/case
TC2PU3-99	TekniClean Quilted (2-ply PET Knit)	Dry	4+	9"x9"	Flat Bag, 100 wipes/ea, 8 bags/case

FAB - HIGH EFFICIENCY DRY PARTICULATE/RESIDUE REMOVAL SOLUTIONS

TC3MFB1-99	TekniPure Microfiber (PET/Nylon)	Dry	3+	9"x9"	Flat Bag, 100/ea, 10 bags/case
TC2MFU1-99	TekniPure Microfiber (PET/Nylon)	Dry	4+	9"x9"	Flat Bag, 100/ea, 10 bags/case

LAB & TOOL - ROUGH SURFACE SOLUTIONS

TC3MFB1-99	TekniPure Microfiber (PET/Nylon)	Dry	3+	9"x9"	Flat Bag, 100/ea, 10 bags/case
TC2MFU1-99	TekniPure Microfiber (PET/Nylon)	Dry	4+	9"x9"	Flat Bag, 100/ea, 10 bags/case

All packaging is double-bagged and vacuum-sealed.

[Cross Reference Guide](#)

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OUR FULL RANGE OF INNOVATIVE CONTAMINATION CONTROL SOLUTIONS



Since 2008, Teknipure has been dedicated to delivering innovative cleanroom, critical, and controlled environment contamination control solutions created with the highest standards based on customer, industry, and regulatory requirements. Our products are designed around our customers' processes to prevent, control, and remove micro-contamination effectively and efficiently.

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