

Teknipure



Medical Device Manufacturing

DRY | PRE-SAT | PRECISION MATERIALS

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Extraordinary Growth Begins with Wisely Managed Risk

- *Increased aging population & chronic disease*
- *Revolutionary technology advancements*
- *Global compliance challenges*

2 Simple Choices to Maximize Microcontamination Removal:

- 1 Choose engineered materials, such as microfiber, that most effectively remove the surface contamination from your process
- 2 Choose delivery systems that align process effectiveness with human productivity, such as presaturated wipers or high capacity delivery systems



FOR MORE
INFORMATION

TekniPure, with over a decade of experience working with Medical Device Manufacturers, brings to you the microcontamination removal solutions you need to manage contamination risk in your controlled and critical environments.

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

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Tooling & Injection Molding



Applications

- Injection mold preparation & cleaning
- Extrusion process critical cleaning
- Machine preventative maintenance (PM)

Critical Challenges

- Entrapping & holding foreign material (FM) & particles
- Wiping rough, abrasive surfaces with difficult to remove contaminants
- Applying solvents and cleaners
- Controlling electrostatic discharge (ESD)

Critical Component Assembly



Applications

- Cleaning sensors and components
- Removing adhesives & cleaning solvent residues
- Environmental sanitization of various surfaces
- Final wipe down of guide wires & catheters

Critical Challenges

- Consistently following protocols to sanitize and maintain environmental surfaces
- Cleaning a complex range of material surfaces such as epoxy & silicone
- Removing contaminants from irregular surfaces

Metal Machining, Coating & 3-D Printing



Applications

- Removal of wet & dry process materials (metal & composite particulates) on surfaces, molds, and nozzles
- Environmental surface sanitization

Critical Challenges

- Effectively removing all FM & chemical residuals from critical sensors & contact points
- Cleaning small areas and crevices
- Applying sanitizer effectively

Micro-Electronic Device Manufacturing









Applications

- Eliminating FM on sensitive sensors and component parts
- Removing adhesives from small areas prior to parylene coating

Critical Challenges

- Entrapping FM & leaving surfaces particle and residue free
- Controlling submicron contamination
- Controlling ESD failures during manufacturing

Brand	Part #	ISO Level	Material	Process Benefits
Cleaning Rough, Abrasive Surfaces				
 TekniPure	TC2MFW	4+	Woven Microfiber with Ultra-Edge finish	<ul style="list-style-type: none"> • Best in class abrasion resistance leaving no fiber behind even when scrubbing off baked-on process by-products and contaminants • Holds up well when used with strong cleaning solvents
Removing Particles, Solvents, Process Materials				
 TekniPure	TC2MFU1	4+	Microfiber Knit with Ultra-Edge finish	<ul style="list-style-type: none"> • Ideal choice for removing microcontamination from dry and wet surfaces • Ensures scratch-free sensitive surface wiping • Effectively removes haze and oily residue to leave a streak-free, polished surface
Removing Contamination from Optics/Sensors				
 TekniPure	TC2MFUW	4+	Mixed-Weave Microfiber with Ultra-Edge finish	<ul style="list-style-type: none"> • Maximum fiber surface area delivers best in class streak-free cleaning of haze, particles, and oily residues from sensitive lens and sensor surfaces • Super soft to encapsulate debris and avoid scratching while wiping
 TekniZorb	TZMF1	6+	Nonwoven Microfiber	<ul style="list-style-type: none"> • Smooth, durable, and economical option for cellulose-free cleaning of sensitive surfaces
Micro-Contamination Control				
 TekniSat	TS2PUI70	4+	Pre-Saturated Polyester Knit (70% IPA) with Ultra-Edge finish	<ul style="list-style-type: none"> • TekniPure polyester wipers are the gold standard for cleanliness, abrasion and chemical resistance in electronics applications • Made via a proprietary cleaning-process, these wipers deliver the ultra-low fiber shedding and residue transfer required to maintain a high-yield electronics manufacturing environment • Available dry and presaturated to support a variety of process needs
 TekniClean	TC2PU1	4+	Polyester Knit with Ultra-Edge finish	

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OUR FULL RANGE OF INNOVATIVE MEDICAL DEVICE MARKET SOLUTIONS

Teknipure Part #	Description <small>*PET is Polyester</small>	Wet/Dry	Sterile	ISO Level	Wiper Size	Packaging
RECOMMENDED PRODUCT SOLUTIONS						
DRY WIPERS						
TC2PU1-44	TekniClean (PET Knit)	Dry		4+	4"x4"	Flat Bag, 600/bag, 10 bags/case
TC2PU1-99	TekniClean (PET Knit)	Dry		4+	9"x9"	Flat Bag, 100/bag, 10 bags/case
TC2MFW-99	TekniPure Microfiber (Woven)	Dry		4+	9"x9"	Flat Bag, 25/bag, 8 bags/case
TC2MFUW-44	TekniPure Microfiber (Mixed-Weave)	Dry		4+	4"x4"	Flat Bag, 400/bag, 20 bags/case
TC2MFUW-99	TekniClean (PET Knit)	Dry		4+	9"x9"	Flat Bag, 100/bag, 20 bags/case
TZ1MF-44	TekniClean Microfiber (Nonwoven)	Dry		6+	4"x4"	Flat Bag, 600/bag, 10 bags/case
TZ1MF-99	TekniClean Microfiber (Nonwoven)	Dry		6+	9"x9"	Flat Bag, 150/bag, 10 bags/case
PRE-SATURATED						
TS2PUI70P-99	TekniSat (PET Knit)	70% IPA		4+	9"x9"	Pouch, 40/pouch, 24 pouches/case
SPECIALTY APPLICATIONS						
ESD (Electrostatic Dissipative) SENSITIVE AREA SOLUTIONS						
TC2PL1-99E	TekniClean ESD (PET Knit + Carbon Fiber)	Dry		4+	9"x9"	Flat Bag, 150/bag, 10 bags/case
TC3PB1S-99	TekniClean (PET Knit)	Dry		4+	9"x9"	ESD Zip Bag, 100/bag, 10/case
ASEPTIC / STERILE - DRY WIPING SOLUTIONS						
TC2P99S	TekniGamma (PET Knit)	Dry	3	4+	9"x9"	Flat Bag, 20/bag, 25 bags/case
TC2P12S	TekniGamma (PET Knit)	Dry	3	4+	12"x12"	Flat Bag, 25/bag, 20 bags/case
TZ199S	TekniGamma (Poly/Cell)	Dry	3	6+	9"x9"	Flat Bag, 100/bag, 30 bags/case
TZ112S	TekniGamma (Poly/Cell)	Dry	3	6+	12"x12"	Flat Bag, 50/bag, 30 bags/case
ASEPTIC / STERILE - PRESATURATED SOLUTIONS						
TS2PUI70P-99S	TekniSat (PET Knit)	70% IPA	3	4+	9"x9"	Pouch, 40/pouch, 24 pouches/case
TS1PCI70-99S	TekniSat (Poly/Cell)	70% IPA	3	6+	9"x9"	Pouch, 30/pouch, 24 pouches/case
TS1MPI70-911S	TekniSat (Polypropylene)	70% IPA	3	6+	9"x11"	Pouch, 50/pouch, 24 pouches/case
CLEANROOM ENTRY & GOWNING ROOM - PRESATURATED SOLUTIONS						
TS1PCI70-99	TekniSat (Poly/Cell)	70% IPA		6+	9"x9"	Pouch, 30/pouch, 24 pouches/case
TS1MPI70-911	TekniSat (Polypropylene)	70% IPA		6+	9"x11"	Pouch, 50/pouch, 24 pouches/case
PRECISION ENVIRONMENTAL SANITATION SOLUTIONS						
TC2PU1-99	TekniClean (PET Knit)	Dry		4+	9"x9"	Flat Bag, 100/bag, 10 bags/case
TC2MFU1-99	TekniPure Microfiber (Knit)	Dry		4+	9"x9"	Flat Bag, 100/bag, 10 bags/case
TZ1PCS1-99	TechniZorb Nonwoven (PET/Cellulose)	Dry		6+	9"x9"	Flat bag, 300/bag, 10 bags/case
PRECISION ENVIRONMENTAL SANITATION - PRESATURATED SOLUTIONS						
TS2PUI70-99	TekniSat (PET Knit)	70% IPA		4+	9"x9"	Pail, 150/pail, 2 pails/case
TS2PUI70R-99	TekniSat (PET Knit)	70% IPA		4+	9"x9"	Refill for Pail, 50/bag, 12 bags/case
TS2PUI70P-99	TekniSat (PET Knit)	70% IPA		4+	9"x9"	Pouch, 40/pouch, 24 pouches/case
TS1PCI70-99	TekniSat (Poly/Cell)	70% IPA		6+	9"x9"	Pouch, 30/pouch, 24 pouches/case
TS1MPI70-911	TekniSat (Polypropylene)	70% IPA		6+	9"x11"	Pouch, 50/pouch, 24 pouches/case

All packaging is double-bagged and vacuum-sealed. Sterile product is triple-bagged for aseptic entry.

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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