Teknipure | Innovative Contamination Solutions

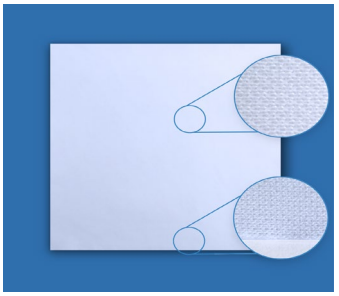
TekniClean Sealed Edge Polyester Knit Wiper

Product Description

Tekniclean polyester knit wipes are made with a hi strength continuous filament polyester yarn in a double knit, no run interlock pattern. Knitting, pre-washing, cutting, sealing, washing and packaging are all done in house for optimum control & cleanliness. A proprietary process using pressure & heat is used to create an ultrasonic seal for fiber and particle retention. Superior to laser sealing as it results in a softer edge, and lower carbon levels. The wipe is ultra clean and highly sorbent making it ideal for wiping critical surfaces. All Tekniclean wipes utilize Statistical Process Control in manufacturing and are lot traceable from raw material to finished product. Class 10 Laundered & Packaged.

Composition & Attributes

* 100% Hi Strength Polyester fiber (continuous filament, double knit)
* Ultra Low particle and fiber generation
* Ultrasonic Sealed Edges for fiber & particle retention
* Free of Silicon, Amides, and DOP contamination
* Solvent safe double bag cleanroom packaging
* Resists abrasion when used with rough surfaces
* Works well with IPA and other cleaning solvents



Applications

* Ideal for wiping critical surfaces to achieve ultra cleanliness
* Works well for environmental & process surface cleaning
* Soft texture for scratch sensitive surfaces
* Pure substrate & soft sealed edges minimize fiber release
* Available pre-wetted with ulta pure IPA / DIW for best performance
* Excellent as clean barrier for wrapping critical components
* Compatible with ISO Class 3-5 (Class 10-100) environments

Physical Properties

* Basis Weight	140g/m2; Standard Weight
* Material	100% Pure Polyester Continuous Filament, Double Knit, No Run
* Absorbency	Extrinsive Capacity: >410ml/m^2 Intrinsic Capacity: >2.6 ml/g Sorptive Rate: <1 second
* Test Method	IEST-RP-CC004.3 Section 8.1

Purity Specifications

			Maximum	Typical	Test Method	
*** Particles & Fibers**						
particles/m^2	Particles	(>0.5micron)	<5 x $10^{(6)}$	3.9 x $10^{(6)}$	Orbital Shake Test	IEST-4.3-6.1.4
particles/m^2	Particles	(> 5 micron)	<1 x $10^{(6)}$	0.45 x $10^{(6)}$		
fiber/m^2	Fibers	(>100 micron)	<400	230		IEST-4.3-6.2.2
*** Nonvolatile Residue**					Short Term Extraction	IEST-4.3-7.1.2
g/m^2 / ug/cm^2	IPA Extractant		<0.04 / 4	0.02 / 2		
g/m^2 / ug/cm^2	DIW Extractant		<0.01 / 1	0.008 / 0.8		
*** Extractable Ions**					Standard Extractable Method	IEST-4.3-7.2.2.1B
ppm / ug/g	Sodium (Na+)		<0.2	0.13		
ppm / ug/g	Potassium (K+)		<0.1	0.05		
ppm / ug/g	Magnesium (Mg^2+)		<0.1	0.07		
ppm / ug/g	Chloride (Cl+)		<0.1	0.04		
ppm / ug/g	Calcium (Ca+)		<0.2	0.13		

Ordering Information

Product	Size	Packaging
TC2PU1-44	4" X 4" (10.2cm x 10.2cm)	600 Ea/Bag (4 inner bags of 150) 10Bags/Case
TC2PU1-99	9" X 9" (22.9cm x 22.9cm)	100 Ea/Bag (2 inner bags of 50) 10 Bags/Case
TC2PU1-12	12" x 12" (30cm x 30cm)	100 Ea/Bag (2 inner bags of 50) 10 Bags/Case
TC2PU1-24	24" X 24" (61cm x 61cm)	25 Ea/Bag, 6 Bags/Case
TC2PU1-36	36" x 36" (91cm x 91cm)	10 Ea/Bag 10 Bags/Case
TC2PU1-48	48" X 48" (122 cm x 122cm)	10 Ea/Bag 8 Bags/Case