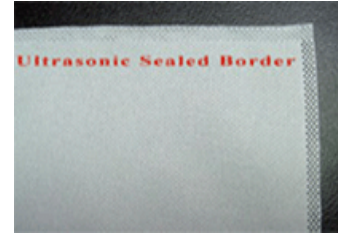


PRODUCT DATA SHEET

DESCRIPTION

The Essence Ultrasonic sealed bordered wipers are perfect for the rigorous demands of a Class 1 - 100 cleanroom environment where critical cleanliness is standard. The fabric is a 100% continuous filament double-knit interlock polyester with all edges ultrasonically sealed to prevent the release of fibers and particulates.



FEATURES

Ultrasonic Sealed Borders for superior cleanliness
Assures cleanliness with ultra-low levels of particulates and extractables
High absorbency and resists abrasion under rigorous use
Solvent-Safe, cleanroom double-bagged packaging

APPLICATIONS

Designed for use in Critical Environments - Class 1 - 100
Cleaning of surfaces to control submicron particles, fibers and chemical residue
Excellent chamber cleaning wiper

TECHNICAL DATA

PERFORMANCE CHARACTERISTICS

Basis Weight (<i>IEST-RP-CC 004.3</i>)	140 ± 5 gsm
Thickness	0.45 ± 0.02 mm
Absorbency (<i>IEST-RP-CC 004.3</i>)	
Sorptive capacity	408
Rate	0.5 sec

CONTAMINATION CHARACTERISTICS

Releasable Particles

LPC (≥ 0.5 um) (<i>IEST-RP-CC 004.2 SEC 5.2</i>)	3.06E+06/m ²
APC Helmke Drum ≥ (<i>IEST-RP-CC 003.2</i>)	1164/m ²
Fiber Analysis (>100 um) (<i>ASTM F311-312</i>)	50/m ²

Nonvolatile Residue, NVR

(<i>IEST-RP-CC 004.2 SEC 6.1.2</i>)	
IPA Extractant (100 ml IPA at ambient temp for 24 hrs)	0.31 g/m ²
DIW Extractant (100 ml DI water at ambient temp for 24 hrs)	0.004 g/m ²

FTIR No Silicon Oil, Amide or DOP Detected

Ion Content

(<i>IEST-RP-CC 004.2 SEC 6.1.2</i>)	
Chloride (Cl)	6 ppb
Nitrates (NO ₃)	10 ppb
Nitrates (NO ₂)	10 ppb
Sodium (Na)	18 ppb
Potassium (K)	10 ppb
Magnesium (Mg)	<1 ppb
Calcium (Ca)	3 ppb
Fluoride (F)	2 ppb

NOTE:

*Data shown are typical values and should not be used as specifications.

ORDERING INFORMATION

P/N	DESCRIPTION	PCS. / BAG	BAGS / CASE
SB 140-9U	Cleanroom 100% polyester ultrasonic sealed border wiper, 140 gsm, Laundered, Size : 9" x 9"	150	10
SB 140-12U	Cleanroom 100% polyester ultrasonic sealed border wiper, 140 gsm, Laundered, Size : 12"x12"	100	10