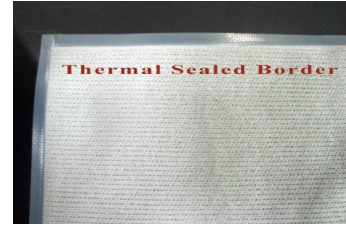


### PRODUCT DATA SHEET

#### DESCRIPTION

The Essence Thermal 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 thermally sealed to prevent the release of fibers and particulates.



#### FEATURES

Thermal 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

<b>Basis Weight</b> <i>(IEST-RP-CC 004.3)</i>	140 ± 5 gsm
<b>Thickness</b>	0.45 ± 0.02 mm
<b>Absorbency</b> <i>(IEST-RP-CC 004.3)</i>	
Sorptive capacity	394
Rate	0.5 sec

##### CONTAMINATION CHARACTERISTICS

###### Releasable Particles

LPC ( ≥ 0.5 um) <i>(IEST-RP-CC 004.2 SEC 5.2)</i>	3.36E+06/m²
APC Helmke Drum ≥ <i>(IEST-RP-CC 003.2)</i>	1191/m²
Fiber Analysis (>100 um) <i>(ASTM F311-312)</i>	50/m²

###### 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/m²
DIW Extractant (100 ml DI water at ambient temp for 24 hrs)	0.004 g/m²

###### FTIR

No Silicon Oil, Amide or DOP Detected

###### Ion Content

*(IEST-RP-CC 004.2 SEC 6.1.2)*

Chloride (Cl)	6 ppb
Nitrates (NO3)	10 ppb
Nitrates (NO2)	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 140-9T	Cleanroom 100% polyester Thermal sealed border wiper, 140 gsm, Laundered, Size : 9" x 9"	150	10
SB 140-12T	Cleanroom 100% polyester Thermal sealed border wiper, 140 gsm, Laundered, Size : 12"x12"	150	10