

PRODUCT DATA SHEET

DESCRIPTION

The Essence Micro UF is a laser sealed-edge 100% continuous double-knit interlock polyester laundered wiper manufactured with a higher filament count for extra softness and absorbency. Patented technology exhibits low particles, low fiber counts, and provides an ultra-clean wiping material for critical applications.



FEATURES

Laser sealed-edge for superior cleanliness
Assures cleanliness with ultra-low levels of particulates and extractables
High absorbency and softness
Designed for use with LCD and Flat Screen Technology cleaning

APPLICATIONS

Designed for use in Critical Environments - Class 100 - 1,000
Cleaning of surfaces to control submicron particles, fibers and chemical residue
Applications that require high sorbency

TECHNICAL DATA

PERFORMANCE CHARACTERISTICS

Basis Weight (<i>IEST-RP-CC 004.3</i>)	130 ± 5 gsm
Thickness	0.48 ± 0.02 mm
Absorbency (<i>IEST-RP-CC 004.3</i>)	
Sorptive capacity	488
Rate	0.5 sec

CONTAMINATION CHARACTERISTICS

Releasable Particles

LPC (≥ 0.5 um) (<i>IEST-RP-CC 004.2 SEC 5.2</i>)	7.5E+06/m²
APC Helmke Drum ≥ (<i>IEST-RP-CC 003.2</i>)	1364/m²
Fiber Analysis (>100 um) (<i>ASTM F311-312</i>)	75/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)	8 ppb
Nitrates (NO3)	11 ppb
Nitrates (NO2)	11 ppb
Sodium (Na)	21 ppb
Potassium (K)	10 ppb
Magnesium (Mg)	<1 ppb
Calcium (Ca)	3 ppb
Fluoride (Fl)	2 ppb

NOTE:

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

ORDERING INFORMATION

P/N	DESCRIPTION	PCS. / BAG	BAGS / CASE
Micro UF 130-9	Cleanroom 100%Microfiber polyester wiper laser sealed-edge, Laundered, Size : 9" x 9"	150	10
Micro UF 130-11	Cleanroom 100% Microfiber polyester wiper laser sealed-edge, Laundered, Size : 11"x11"	150	10