

PRODUCT DATA SHEET

DESCRIPTION

The Essence Gold Heavy Weight is a laser sealed-edge 100% continuous filament polyester double-knit interlock laundered wiper. Patented technology maximizes the sorbency capacity, exhibits low particles, low fiber counts, and provides an ultra-clean wiping material for critical applications.



FEATURES

The Essence Gold is manufactured in a Class 10 environment using 100% continuous filament polyester, modified for superior cleanliness and sorbency. Tested in accordance with the IEST Industry standards for consistent lot to lot cleanliness. RoHS Compliant.

Choice of 9" x 9", 6" x 6", 4" x 4" and other sizes

APPLICATIONS

Designed for use in the most Critical Environments
Applications that require high sorbency
Excellent chamber cleaning wiper

TECHNICAL DATA

PERFORMANCE CHARACTERISTICS

Basis Weight (<i>IEST-RP-CC 004.3</i>)	140 ± 5 gsm
Thickness	0.54 ± 0.02 mm
Absorbency (<i>IEST-RP-CC 004.3</i>)	
Sorptive capacity	464 ml/m ²
Rate	0.5 sec

CONTAMINATION CHARACTERISTICS

Releasable Particles

LPC (≥ 0.5 um) (<i>IEST-RP-CC 004.2 SEC 5.2</i>)	5.63E+06/m ²
APC Helmke Drum ≥ (<i>IEST-RP-CC 003.2</i>)	1564/m ²
Fiber Analysis (>100 um) (<i>ASTM F311-312</i>)	49/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

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

Chloride (Cl)	12 ppb
Nitrates (NO ₃)	9 ppb
Nitrates (NO ₂)	10 ppb
Sodium (Na)	19 ppb
Potassium (K)	86 ppb
Magnesium (Mg)	<1 ppb
Calcium (Ca)	2 ppb
Fluoride (F)	15 ppb

NOTE:

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

ORDERING INFORMATION

P/N	DESCRIPTION	PCS. / BAG	BAGS / CASE
EG 140-9	Cleanroom 100% polyester wiper ultra dense technology, 140 gsm, Laser-cut, Specialty Launder, Size : 9" x 9"	150	10
EG 140-12	Cleanroom 100% polyester wiper ultra dense technology, 140 gsm, Laser-cut, Specialty Launder, Size : 12"x12"	150	10