

## PRODUCT DATA SHEET

### DESCRIPTION

The Heavy weight laser sealed edged Polyester wiper is a double knit 100% continuous-filament polyester. All four edges are laser cut and sealed to prevent particle and fiber release.

### FEATURES

- Laser sealed edge ensures ultra low lint and particle level
- Good absorbency and wiping efficiency
- Resists abrasion under rigorous use
- Choice of 9" x 9", 6" x 6", 4" x 4" and other sizes upon customers' request
- Solvent safe, double bagged and vacuum cleanroom packed

### APPLICATIONS

- Suitable for class 100 – 1,000 cleanrooms
- Cleaning of surfaces to control submicron particles, fibers, and chemical residue



### TECHNICAL DATA

#### PERFORMANCE CHARACTERISTICS

<b>Basis Weight</b>	140 gsm
<b>Thickness</b> <i>(micrometer)</i>	0.48 mm
<b>Absorbency Rate &amp; Capacity</b> <i>(IEST-RP-CC 004.3)</i>	
Sorptive capacity	320 ml/m <sup>2</sup>
Rate <i>(Drop Disappearance mtd.)</i>	0.5 sec

#### CONTAMINATION CHARACTERISTICS

##### Nonvolatile Residue, NVR

*(IEST-RP-CC 004.3, Analysis for Unspecified Extractable Matter)*

IPA Extractant	0.52 mg/g
DIW Extractant	0.14 mg/g
<b>FTIR</b>	NO Silicon Oil, Amide and DOP detected

##### FTIR

##### Ion Content

*(IEST-RP-CC 004.3, Thorough Extraction Method)*

Chloride (Cl)	0.000174 mg/g
Nitrates (NO <sub>3</sub> )	0.000019 mg/g
Nitrite (NO <sub>2</sub> )	0.000025 mg/g
Sulphate (SO <sub>4</sub> )	0.000083 mg/g
Sodium (Na)	0.000312 mg/g
Potassium (K)	0.000227 mg/g
Magnesium (Mg)	0.000049 mg/g
Calcium (Ca)	0.000021 mg/g

##### Releasable Particles

LPC ( $\geq 0.5 \mu\text{m}$ ) <i>(IEST-RP-CC 004.3, orbital shake mtd)</i>	$6.5 \times 10^6$ particles/m <sup>2</sup>
APC (Helmke Drum Test @10rpm); $\geq 0.5 \mu\text{m}$ <i>(IES-RP-CC003.2)</i>	50 counts/pc./cfm -9"x9" $9.71 \times 10^2$ counts/m <sup>2</sup> /cfm

##### NOTE:

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