

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

| | |
|--|-----------------------|
| Basis Weight | 140 gsm |
| Thickness (micrometer) | 0.48 mm |
| Absorbency Rate & Capacity (EST-RP-CC 004.3) | |
| Sorptive capacity | 320 ml/m ² |
| Rate (Drop Disappearance mtd.) | 0.5 sec |

CONTAMINATION CHARACTERISTICS

Nonvolatile Residue, NVR

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

| | |
|----------------|--|
| IPA Extractant | 0.52 mg/g |
| DIW Extractant | 0.14 mg/g |
| FTIR | NO Silicon Oil, Amide and DOP detected |

Ion Content

(EST-RP-CC 004.3, Thorough Extraction Method)

| | |
|-----------------------------|---------------|
| Chloride (Cl) | 0.000174 mg/g |
| Nitrates (NO ₃) | 0.000019 mg/g |
| Nitrite (NO ₂) | 0.000025 mg/g |
| Sulphate (SO ₄) | 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 (≥ 0.5 um) (EST-RP-CC 004.3-orbital shake mtd) | 6.5 x 10 ⁶ particles/m ² |
| APC (Helmke Drum Test @10rpm); ≥ 0.5 um (IES-RP-CC003.2) | 50 counts/pc./cfm -9"x9" 9.71 x 10 ⁻² counts/m ² /cfm |

NOTE:

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