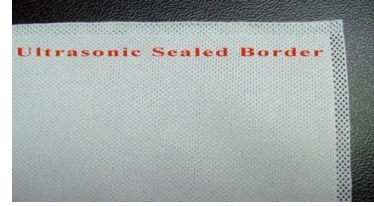


PRODUCT DATA SHEET

MASTERS™ Poly SB Wiper

DESCRIPTION

Ultrasonic Sealed Bordered Polyester wipers are perfect for the rigorous demands of class 1-10 cleanroom environments where critical cleanliness standard is required. The fabric is a 100% continuous filament double-knit polyester and all edges are ultrasonic sealed to prevent the release of fibers and particles.



FEATURES

- Ultrasonic sealed borders
- Assures cleanliness with ultra-low levels of particles and extractables
- High absorbency and resists abrasion under rigorous use
- Solvent-safe, cleanroom double-bagged packaging

APPLICATIONS

- Suitable for class 1-100 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
(*IEST-RP-CC 004.3*)
Sorptive capacity 312 ml/m²
Rate (*Drop Disappearance mtd.*) 0.5 sec

CONTAMINATION CHARACTERISTICS

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

IPA Extractant 0.47 mg/g
DIW Extractant 0.13 mg/g
FTIR NO Silicon Oil, Amide and DOP detected

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

Chloride (Cl) 0.000230 mg/g
Nitrates (NO₃) 0.000027 mg/g
Nitrite (NO₂) 0.000033 mg/g
Sulphate (SO₄) 0.000084 mg/g
Sodium (Na) 0.000179 mg/g
Potassium (K) 0.000472 mg/g
Magnesium (Mg) 0.000065 mg/g
Calcium (Ca) 0.000109 mg/g

Releasable Particles

LPC (≥ 0.5 um) 5.5 x 10⁶ particles/m²
(*IEST-RP-CC 004.3-orbital shake mtd*)
APC (Helmké Drum Test @10rpm); ≥ 0.5 um 30 counts/pc./cfm -9"x9"
(*IES-RP-CC003.2*) 5.82 x 10² counts/m²/cfm

NOTE:

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