

Thomas Scientific M1 Quilted Polyester Knit Wipers

Suitable for use in ISO 4 and higher cleanrooms, this double thickness polyester woven is quilted to deliver superior fluid management in your cleanroom environment.

- Laser cut edges to secure loose fibers when wiping
- Class 100 cleanroom laundered
- Double-bagged

Product	Class	Edge Finish	Wiper Size	Packaging
21A00P824	ISO 4	Laser Seal	4" x 4" (10.1cm x 10.1cm)	300 ea/bag; 10 bags/case Bulk packed
21A00P825	ISO 4	Laser Seal	9" x 9" (23cm x 23cm)	100 ea/bag; 10 bags/case Flat-stacked
21A00P826	ISO 4	Laser Seal	12" x 12" (30.5cm x 30.5cm)	100 ea/bag; 10 bags/case Flat-stacked; Bulk packed
21A00P827	ISO 4	Laser Seal	18" x 18" (45.7cm x 45.7cm)	40 ea/bag; 3 bags/case Flat-stacked
M1-Q2PBSE99	ISO 3	Border Seal	9" x 9" (23cm x 23cm)	100 ea/bag; 10 bags/case Flat-stacked

Purity Specifications

Particles & Fibers	Upper Limit*
Particles >0.50um	<6.0
Particles >5.0um	<0.3
Fibers >100um	<350

* x 10⁶ particles/m²

*Particles: IEST-RP-CC004.3 Section 6.1.4

Fibers: IEST-RP-CC004.3 Section 6.2.2 (Orbital Shake Test)

Nonvolatile Residue

Extractant	Upper Limit*
IPA	<0.05 g/m ²
DI Water	<0.01 g/m ²

*IEST-RP-CC004.3 Section 7.1.2

Extractables

Ion	Upper Limit*
Sodium (Na ⁺)	<0.20 ppm
Potassium(K ⁺)	<0.10 ppm
Calcium (Ca ²⁺)	<0.30 ppm
Chloride (Cl ⁻)	<0.20 ppm
Magnesium (Mg ²⁺)	<0.20 ppm

*IEST-RP-CC004.3 Section 7.1.2 (Short Term Extraction)

Physical Properties

Basis Weight	220 g/m ²
Thickness	0.9mm (+/- 0.03mm)
Material	100% Polyester
Absorbency	Extrinsic Capacity: >700 mL/m ² Intrinsic Capacity: >3.15 mL/g Rate: <1 second

