

## PurWipe® K2-109-S / K2-112-S

Sterile Cleanroom Wipe | Polyester Microfiber Knit

ISO	3	4	5	6	7	8
GMP			A/B		C	D



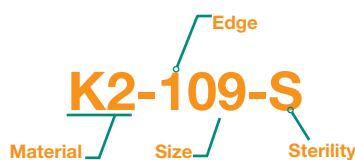
### Product description

The PurWipe® K2 is a soft texture microfiber cleanroom wipe which is made from a fine polyester knit. The tiny microfibers enable removal of even the smallest particles without scratching the surface. It is therefore optimally suited for scratch sensitive surfaces as well as fine cleaning of small components.

- \_ Fine polyester microfiber knit
- \_ Optimal removal of small particles
- \_ Soft texture for scratch sensitive surfaces
- \_ Low particle emission, decontaminated



Edges



Product Identification



Bag label

### Product specifications

**Item Name:** PurWipe® K2-109-S / K2-112-S | Cleanroom Wipe

**Application / Usage:** Recommended for fine cleaning of critical surfaces or scratch sensitive components in cleanrooms

**Material:** 100 % Polyester microfiber

**Material weight | Material thickness:** 155 g/m<sup>2</sup> (± 8 g/m<sup>2</sup>) | 0.45 mm

**Fiber size:** 8 µm (ø)

**Color:** White

**Edges:** Laser cut (LE)

**Tensile strength | Abrasion resistance:** 23.22 MPa (ø) | 100 movements (12 kPa)

**Conductivity:** Not electrostatically conductive

**Sterility:** Gamma-irradiated, SAL 10<sup>-6</sup>, validated according to ISO 11137

**Shelf life:** 2 years

**Packaging concept:** Cleanroom bag with easy-tear, triple packed, for safe entry into the cleanroom

**Product labelling:** Label with product information, batch number and expiry date located on inner bags and carton

**Re-use:** Disposable wipe (for single use in cleanrooms)

**Storage:** General storage conditions apply, protect from harmful influences (fluids, sun rays or UV light, contamination, pressure), recommended storage temperature 5 - 40 °C

**Customs tariff number | Country of origin:** 63071010 | People's Republic of China

Product	Item no.	Sterility	Edges	Size	Packing	Carton Size	Pallet
<b>K2-109-S</b>	2183303	sterile	laser cut	229 x 229 mm (+/- 10 mm) (9 x 9 inch)	10 pcs. / bag 10 bags / pack 10 packs / case [1,000 pcs.]	490 x 260 x 290 mm	42 cartons 1200 x 800 mm
<b>K2-112-S</b>	2183305	sterile	laser cut	305 x 305 mm (+/- 10 mm) (12 x 12 inch)	10 pcs. / bag 10 bags / pack 10 packs / case [1,000 pcs.]	630 x 320 x 270 mm	21 cartons 1200 x 800 mm

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### Technical specifications

Property	Typical value	Specified value	Test method
<b>Absorption</b>			
Extrinsic	360 ml/m <sup>2</sup>	≥ 260 ml/m <sup>2</sup>	IEST-RP-CC 004.3
Intrinsic	2.26 ml/g	≥ 1.68 ml/g	IEST-RP-CC 004.3
Sorptive rate	0.88 seconds	≤ 3 seconds	IEST-RP-CC 004.3
<b>Particle emission</b>			
APC - airborne particles ≥ 0.5 µm	8,000 counts/m <sup>3</sup>	≤ 17,500 counts/m <sup>3</sup>	IEST-RP-CC 003.2
LPC - liquidborne particles ≥ 0.5 µm	900 counts/cm <sup>2</sup>	≤ 1,100 counts/cm <sup>2</sup>	IEST-RP-CC 004.3
<b>Non-volatile residue (NVR)</b>			
DI water	0.030 g/m <sup>2</sup>	≤ 0.050 g/m <sup>2</sup>	IEST-RP-CC 004.3
IPA	0.050 g/m <sup>2</sup>	≤ 0.080 g/m <sup>2</sup>	IEST-RP-CC 004.3
<b>Organic and inorganic substances (FTIR)</b>			
Silicone oil	not detectable	not detectable	Infrared spectroscopy
Amide	not detectable	not detectable	Infrared spectroscopy
Diethylphthalate (DOP)	not detectable	not detectable	Infrared spectroscopy
<b>Extractable ions (IC)</b>			
Sodium (Na <sup>+</sup> )	0.40 ppm	≤ 0.50 ppm	Ion chromatography
Potassium (K <sup>+</sup> )	0.20 ppm	≤ 0.35 ppm	Ion chromatography
Magnesium (Mg <sup>2+</sup> )	0.08 ppm	≤ 0.10 ppm	Ion chromatography
Calcium (Ca <sup>2+</sup> )	0.35 ppm	≤ 0.85 ppm	Ion chromatography
Chloride (Cl <sup>-</sup> )	0.20 ppm	≤ 0.50 ppm	Ion chromatography
Ammonium (NH <sub>4</sub> <sup>+</sup> )	0.10 ppm	≤ 0.10 ppm	Ion chromatography
Nitrate (NO <sub>3</sub> <sup>-</sup> )	0.20 ppm	≤ 0.30 ppm	Ion chromatography
Nitrite (NO <sub>2</sub> <sup>-</sup> )	0.08 ppm	≤ 0.10 ppm	Ion chromatography
Phosphate (PO <sub>4</sub> <sup>2-</sup> )	0.20 ppm	≤ 0.30 ppm	Ion chromatography
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	0.20 ppm	≤ 0.30 ppm	Ion chromatography
Bromide (Br <sup>-</sup> )	0.07 ppm	≤ 0.10 ppm	Ion chromatography
Fluoride (F <sup>-</sup> )	0.08 ppm	≤ 0.10 ppm	Ion chromatography

### Models in our K2-Series:

Product	Item no.	Sterility	Edges	Size	Packing
<b>K2-109</b>	2183302	non-sterile	laser cut	9 x 9 inch	150 pcs. / bag (pack), 16 packs / case [2,400 pcs.]
<b>K2-112</b>	2183304	non-sterile	laser cut	12 x 12 inch	100 pcs. / bag (pack), 10 packs / case [1,000 pcs.]

Optionally available in different sizes

#### Industry sectors



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