

ULTIMA II®

Micro-denier Optical Wiper - ISO Class 3+ Cleanrooms

LYNBOND



Manufactured by
HANSONG

About

Ultima II® is composed of a Polyester and Nylon knitted (Micro-denier) fabric.

Engineered for sensitive and critical non-abrasive applications in mind. The blade-shaped fibre cross-section gently lifts, encapsulates, and removes particulates even without a wetting agent.

Combined with the ultra-fine, soft fibres protects even the most highly sensitive and critical scratch-prone surfaces. The Ultima II® is ultrasonically cut & sealed on all four edges, laundered, processed and packaged in a ISO Class 3+ cleanroom, providing ultra-low levels of particles, ions and extractables makes the Ultima II® consistent with Class 1 – 10 environments.

Specification

- Compatibility: ISO Class 3+ Cleanrooms
- Size: 4 x 4", 9 x 9", 12 x 12"
- 70% Polyester / 30% Nylon Micro-denier wiper
- Ultrasonically cut & sealed treatment on all 4 edges
- Laundered and double packaged in a ISO Class 4 cleanroom
- Non sterile
- Colour: Cream

Features

- Excellent for sensitive and scratch-prone surfaces
- Soft feel, durable, and the ability to wipe surfaces clean without using a wetting agent
- Excellent absorption capabilities
- 8 x times the number of filaments
- 4 x times the surface area of standard Polyester wipers
- Blade shaped ultra-fine fibre cross-section lifts, entraps, and removes particulates from critical surfaces
- Low generation of static electricity
- Cleans efficiently with less solvent usage than traditional wipers



Rev.21.11A

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Application

- Recommended in ISO Class 3+ cleanrooms
- Designed for scratch prone sensitive surfaces
- Used in Display, Semiconductor, Optical and Lens Manufacturing
- Recommended for cleaning delicate process in critical environments
- Applying and removing solvents



Cleanroom classification

- Recommended for use in ISO Class 3+ cleanroom applications
- Laundered using 17MΩ ultra-pure D.I water

Quality Standards

- Manufactured in a facility holding ISO 9001:2015
- Lot Traceability



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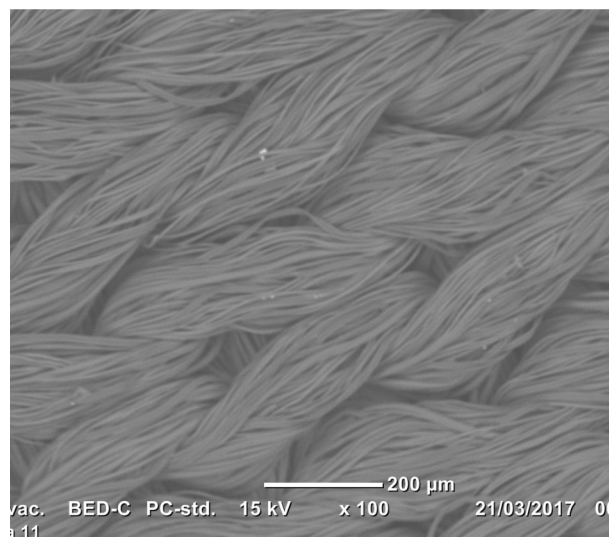
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Technical Data

BASIC WEIGHT (g/m ²)	166
PARTICLES > 0.3µm / m ² (ea)	< 12
EXTRACTABLES (g / m ²)	
D.I. WATER (17MΩ ultra-pure D.I water)	0.029
2 - PROPANOL	0.054
ABSORBANCY	
(ml / m ²)	471
ml / g)	2.8
RATE OF ABSORPTION (Seconds)	1
METALLIC IONS (ppm)	
Na	0.46
Mg	0.12
Ca	0.38



INVENTORY MANAGEMENT

STORAGE INSTRUCTIONS	Store in cool dry place (below 28°C) away from direct sunlight and heat
SHELF LIFE	36 months from Date of Manufacture

ORDERING INFORMATION

PRODUCT CODE	ULTIMA II/4	ULTIMA II /9	ULTIMA II/12
SIZE	10 X 10 cm (4 x 4")	23 x 23 cm (9 x 9")	30 x 30 cm (12 x 12")
WIPES / PACK	600	150 (2 x 75)	50
PACKAGING	BULK PACKED	FLAT PACKED	FLAT PACKED

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