

# 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

# ULTIMA II®

## Micro-denier Optical Wiper - ISO Class 3+ Cleanrooms

LYNBOND



Manufactured by  
**HANSONG**

### 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



Rev.21.11A

# ULTIMA II<sup>®</sup>

## Micro-denier Wiper - ISO Class 3+ Cleanrooms

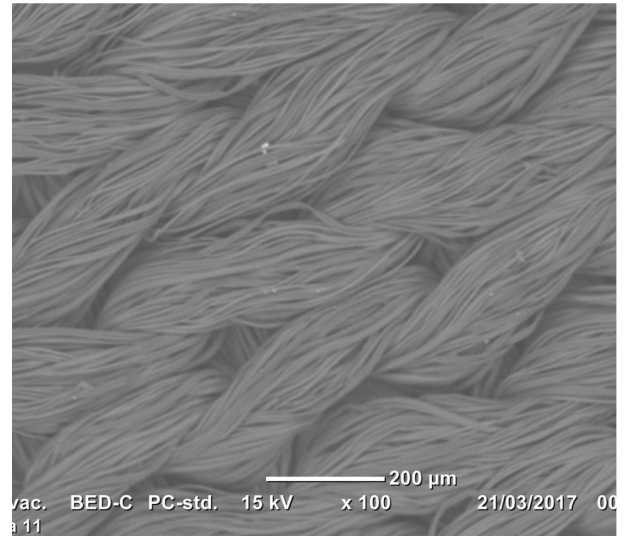
LYNBOND



Manufactured by  
**HANSONG**

### Technical Data

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



### INVENTORY MANAGEMENT

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

### ORDERING INFORMATION

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

Rev.21.11A