

## Z-Band UltraSoft Wristband

### One of the softest direct thermal wristbands on the market

Set the bar for patient ID accuracy and comfort with Z-Band UltraSoft wristbands. As one of the most durable direct thermal wristbands available, Z-Band UltraSoft wristbands are proven to be scannable regardless of the hand sanitizers they come in contact with — so nurses won't need to work around a failed scan or reprint a faded wristband. When it comes to comfort, Z-Band UltraSoft gives your patients the best. Its ultra-soft flexible material and soft-feel coating are ideal for patients with delicate skin. And with over 3 billion patients identified since 1998, you can rely on Zebra to ensure the optimum image durability and scanning performance that your caregivers require.



#### Up to four times more durable than the leading competitor

The wristband is the cornerstone of patient safety and you can be confident that Z-Band barcodes will remain scannable for longer than the average patient stay. Zebra's supplies research and development team tested the image durability of Z-Band wristbands to withstand smearing, abrasion, alcohol, mild cleansers, hand sanitizers and other substances typically found in hospitals. Independent laboratory testing showed that Z-Bands were up to four times more durable to hand sanitizers than the leading competitor.\*

#### One of the softest direct thermal wristbands available

Rigid wristbands can cause scratches on delicate skin. But Z-Band UltraSoft wristbands feature a flexible and supple polypropylene material with a soft-feel coating to reduce the instances of scratches or cuts on those with sensitive skin.

#### Available in standard and bracelet shapes

The bracelet shape features a removable carrier that allows the size of the band to be reduced without impacting the size of the patient information area, resulting in a more comfortable band for the patient.

#### Silver antimicrobial coating

Z-Bands feature a silver antimicrobial coating that protects the wristband from degradation.

#### MR-Safe for patients undergoing MRI procedures

The direct thermal imaging chemistry is composed primarily of leuco dyes and developers. The inks/varnishes used are UV varnishes and water based inks. There is no metal content in or on these particular patient identification bands. Therefore, Z-Band wristbands are considered to be MR-Safe.

#### Count on consistently exceptional performance

A barcode that fails to scan jeopardizes patient safety and staff productivity. That's why we design, produce and rigorously pre-test our own line of thermal printing supplies to ensure consistent, optimized performance. We utilize an ISO 9001 certified, 23-point quality inspection to ensure consistent quality — and we never swap out materials. You get optimum image durability and scanning performance — ensuring first-scan readability even for narrow barcodes.

**Z-Band UltraSoft Wristbands — the durability your caregivers need and maximum comfort for the most sensitive skin.**

For more information, please visit [www.zebra.com/wristbands](http://www.zebra.com/wristbands)

## Specifications

### Material Construction

Facestock	Gloss white thermal imaging polypropylene 178 microns ±10%
Adhesive tab	Permanent rubber adhesive on kraft liner 90 microns ±10%
Environment	Indoor use; cold temperature compatible

### Temperature Performance

Service temperature range <sup>1</sup>	-40° F to 140° F/-40°C to 60°C
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### Recommended Printers and Settings

Printers	Direct thermal printer (no ribbon) Use Zebra ZD510-HC/HC100 wristband printers; desktop, ZT200 Series and ZT410 thermal printers with the use of a 25 mm media holder for optimal performance
Darkness/Print Speed Settings	ZPL Printers: Darkness: 22; Print Speed: 50mm/sec (2ips) EPL Printers: Darkness: 13 Print Speed: 50mm/sec (2ips) Zebra ZD510-HC/HC100: Printer settings automatically programmed at 102mm/sec (2ips)

### Durability Testing

	The image durability of a 5 mil narrow-bar 16 digit Code 128 barcode printed on a Zebra wristband at Zebra's recommended darkness and speed settings was measured by scanning after exposure to solvents, abrasion and water. Pass= Immediate scan of barcode without repeated attempts Fail= Failure of barcode to scan or required repeated attempts to scan
Abrasion Test	Pass: Exceeds 1000x with a dry crocking cloth
Water	Pass: Withstands total immersion in 40°C water for up to 6 hours
91% IPA	Pass: Withstands 50x rubs with soaked cotton applicator
70% IPA	Pass: Withstands 50x rubs with soaked cotton applicator
Betadine	Pass: Withstands 100x rubs with soaked cotton applicator
Purell	Pass: Withstands 50x rubs with soaked cotton applicator
Tensile strength	Pass: Withstands up to 45 pounds of force

### Product Performance and Suitability

Recommended storage conditions	72° F / 22° C at 50% RH
Expected life span in application <sup>2</sup>	Indoor use, short term only; Please test in application

### Chemical Resistance

Chemical	Expected chemical resistance
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#### Weak chemicals

Blood	Recommended
Body Fluid	Recommended
Salt Water	Recommended
Water	Recommended
Window Cleaner	Not recommended

#### Moderate chemicals

Alcohol	Recommended
Ammonia	Not recommended
Bleach	Not recommended
IPA	Recommended

### Regulatory and Compliance

BPA and latex free Z-Band wristbands are considered to be MR-Safe. Z-Band wristbands are made of polypropylene and vinyl. The direct thermal imaging chemistry is composed primarily of leuco dyes and developers. The inks / varnishes used are UV varnishes and water-based inks. There is no metal content in or on these particular patient identification bands. Therefore, Z-Band wristbands are considered to be MR-Safe.

### Footnotes

1. Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range. 2. Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated. The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application. \* For more details on the durability laboratory testing performed, please download our white paper on [www.zebra.com](http://www.zebra.com) titled "Putting Wristband Durability to the Test."

## Markets and Applications

### Healthcare

- Safe, secure, positive patient ID for hospitals
- Identification of patients with delicate skin
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