

Z-Band UltraSoft Extended Stay Wristband

One of the softest and most durable direct thermal wristbands on the market

A solution designed to meet the rigorous demands of modern healthcare environments. This innovative wristband is engineered to be 2X more durable than our standard Z-Band UltraSoft wristbands, providing a seamless and durable identification method in a cartridge form that significantly reduces the need for re-banding patients during extended healthcare stays.

In demanding healthcare settings where efficiency and patient safety are paramount, the Z-Band UltraSoft Extended Stay wristband offers unparalleled value. Its ease of use ensures that healthcare professionals can focus more on patient care and less on administrative tasks, thereby enhancing overall productivity and reducing the risk of errors.

Choose the Z-Band UltraSoft Extended Stay wristband for a reliable, efficient, and patient-friendly identification solution that stands up to the challenges of today's healthcare environment. Experience the difference of a product designed with both patients and healthcare professionals in mind, and with over 4 billion patients identified since 1998, you can rely on Zebra to ensure the optimum image durability and scanning performance that your caregivers require.



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 polyolefin material with a soft-feel coating to reduce the instances of scratches or cuts on those with sensitive skin.

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 extended stay 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-Band extended stay were up to four times more durable to hand sanitizers than the leading competitor.*

Zebra's comprehensive end-to-end solution

What sets the Z-Band UltraSoft Extended Stay wristband apart from other products on the market is Zebra's comprehensive end-to-end solution. Unlike other suppliers who offer limited options, Zebra provides wristband cartridges and printers, enabling a streamlined and integrated approach to patient identification. This ensures that healthcare facilities can rely on a consistent, high-quality solution from a single trusted partner.

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.

Specifications

Material Construction

RM Number	10040748RM
Facestock	Gloss white thermal imaging polyolefin 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 ¹	-40° F to 140° F/-40°C to 60°C
--	--------------------------------

Recommended Printers and Settings

Printers	Direct thermal printer (no ribbon) Use Zebra ZD510-HC/HC100 wristband printers
Darkness/Print Speed Settings	ZPL Printers: Darkness: 24; Print Speed: 50mm/sec (2ips) EPL Printers: Darkness: 15 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 24 hours
91% IPA	Pass: Withstands 100x rubs with soaked cotton applicator
70% IPA	Pass: Withstands 100x rubs with soaked cotton applicator
Betadine	Pass: Withstands 100x rubs with soaked cotton applicator
Purell	Pass: Withstands 100x 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 ²	Indoor use, short term only; Please test in application

Chemical Resistance

Chemical	Expected chemical resistance
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
Harsh chemicals	
Gasoline	Not recommended
Grease	Not recommended

Regulatory and Compliance

BPA and latex freeZ-Band UltraSoft Extended Stay wristband is considered to be MR-Safe. Z-Band UltraSoft Extended Stay wristband is made of polyolefin. 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 UltraSoft Extended Stay wristband is 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.
* Research conducted by Zebra's Supplies R&D Team. Results are available upon request.
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.

Markets and Applications

Healthcare

- Safe, secure, positive patient ID for hospitals
- Patients whose stay is longer than 14 days
- Identification of patients with delicate skin



ZEBRA and the stylized Zebra head are trademarks of Zebra Technologies Corp., registered in many jurisdictions worldwide. All other trademarks are the property of their respective owners. ©2024 Zebra Technologies Corp. and/or its affiliates. 08/01/2024 HTML



atlasRFIDstore

(205) 383-2244

sales@atlasRFIDstore.com

www.atlasRFIDstore.com