



Soft Infant Z-Band® wristbands

Direct thermal printable wristband

Description:

White, direct thermal polypropylene wristbands, with soft nylon lining. Z-Band Direct features a permanent acrylic adhesive paper tab closure design, while Z-Band QuickClip features a clip closure. With a patent-pending silver, antimicrobial coating, Zebra's Z-Band Direct bar code printable wristbands are the simplest way to improve patient safety.

Suggested Applications

- Safe, secure, positive patient ID for hospitals

Key features and benefits

Ease of use, ribbon-less printing. Quick and easy to print and secure.

Available for desktop printers.

Patent pending anti-microbial coating, which test results show, effectively prevents the growth and survival of Methicillin-resistant *Staphylococcus aureus* (MRSA) Type II, Type III and Type IV S. in addition to S. aureus, P aeruginosa and E. coli, some of the leading causes of hospital infections.

Meets healthcare patient identification and safety requirements, removes risk of data left on ribbons and helps to prevent medication and blood transfusion errors.

Increased durability. The Z-Band Direct wristbands provide superior image durability and tensile strength.

Excellent print quality down to 5 mil narrow bar codes.

Latex-free, waterproof and resistant to smear, abrasion, alcohol, mild cleansers and more.

Technical Specifications

	Description	Caliper
Facestock	Direct thermal polypropylene film	81 microns
Lining	Nylon	102 microns
		Total: 183 microns ± 10%

Temperature performance:

Minimum application temperature: NA

Service temperature range: -40°C to 60°C

Recommended storage conditions: 6 months duration when stored at 0°C to 21°C at 35% to 50% RH



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Recommended Zebra printers: desktop
Expected Exterior Life: Short term use only

Recommended Darkness and Print Speed Settings

- EPL Printers Darkness: 13 Print Speed: 2ips
- ZPL Printers Darkness: 22 Print Speed: 2ips

Applications with Chemicals

	Weak					Moderate				Harsh			Extreme				
	Blood	Body Fluid	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	IPA	Gasoline	Grease	Oil	Acetone	IR Reflow	MEK	TCE	Xylene
DT	X	X	X	X		X			X								

X indicates acceptable chemical resistance

Z-Band Direct Performance and Durability

The image durability of a 5 mil narrow-bar 16 digit Code 128 bar code printed on a Zebra wristband at Zebra’s recommended darkness and speed settings was measured by scanning with an MS 1690 Focus Area Imaging Bar Code Scanner after exposure to solvents, abrasion and water. From each test performed, a “Pass” or “Fail” designation was noted. Below are definitions of the designations:

- 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

For details of durability testing and information regarding Zebra’s patent-pending anti-microbial feature, please visit www.zebra.com or contact your Supplies representative.



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Material type	Part Number	Size	Core	Max. Roll OD	Quantity per roll
Z-Band Direct	10007909	2" x 7" (50.8mm x 177.8mm)*	1" (25.4mm)	5" (127mm)	275
Z-Band QuickClip	10007910K	2" x 7" (50.8mm x 177.8mm)*	1" (25.4mm)	5" (127mm)	275

Note 1: band width is 13mm. For further information and drawing, please see price list.

Note 2: the above wristband products have a black sensing mark and require a printer equipped with black mark sensing.

Product Performance and Suitability

All information on this document is to be used for guidance only and is not to be used for setting specifications. All purchasers of Zebra products shall be responsible for independently determining if the product conforms to all requirements of the application.

For testing of this product, please contact your Supplies representative.