

Soft Infant Z-Band®

Direct thermal printable wristbands

Description:

White, direct thermal polypropylene wristbands, with soft nylon lining. Soft Infant Z-Band wristbands have been specifically developed for new-born and premature infants. With a soft and flexible material construction, petite design and adjustable band length, Zebra's Soft Infant Z-Band bar code printable wristbands make improving patient safety simple, even for the smallest patients.

Suggested Applications

- Safe, secure, positive patient ID for infants in hospitals

Key features and benefits

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

Available for desktop printers and Zebra's HC100 printer with its unique wristband cartridge system.

Patent-pending antimicrobial 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.

“MR-Safe” (*MR Safe*—an item that poses no known hazards in all MRI environments)



Technical Specifications

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



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

Recommended Zebra printers: desktop, HC100

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

DT	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. For 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

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

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



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