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Specification Sheet

Z-Band® UltraSoft Wristbands

Features:

- Direct thermal patent-pending ultra-soft synthetic material
- Tamper-evident slits for security purposes.
- Provides superior image durability and tensile strength.
- Meets healthcare patient ID and safety goals (The Joint Commission), removes risk of data left on ribbons (HIPPA), and prevents medication and blood transfusion errors (FDA)
- Latex-free, waterproof, and resistant to smearing, abrasion, alcohol, mild cleaners and hand sanitizers such as Purell.
- Printed information is legible and scannable for up to 14 days.
- Considered to be MR-Safe since the wristbands do not contain metal

Suggested Application:

- Hospital wristbands for positive patient identification

Material Construction:

	Description	Caliper
Facestock	Direct thermal synthetic wristband	7.0 mil +/- 10%
Adhesive Tab	Permanent acrylic adhesive on 50# liner	4.2 mil +/- 10%

Temperature Performance:

- Minimum Application Temperature: NA
- Service Temperature: -40° F to 140° F (-40° C to 60° C)
- Storage Conditions: 32° F to 70° F (0° C to 21° C) at 35% to 50% RH
- Expected Exterior Life: Not recommended for outdoor use

Recommended Darkness and Print Speed Settings:

- HC100 -- Print speed and darkness setting are automatically set by the cartridge
- ZPL Printers: Darkness: 22 Print Speed: 2ips
- EPL Printers: Darkness: 13 Print Speed: 2ips

Durability Testing:

The image durability of a 5 mil narrow-bar 16 digit Code 128 C bar code printed on a Z-Band Comfort wristband at Zebra's recommended darkness and print speed settings was measured by scanning with a MS1690 Focus Area Imaging Bar Code Scanner after exposure to solvents, abrasion and water. For each test performed, a "Pass" or "Fail" designation was noted. Following are definitions of the designations:

- Pass = Immediate scan of bar code without repeated attempts
- Fail = Failure of bar code to scan or required repeated attempts to scan

Abrasion Test:	Pass: Exceeds 1000X with a dry crocking cloth.
Water:	Pass: Withstands total immersion in 105° F/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

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.