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Z-Band® Direct

Printable patient wristbands

Direct Thermal - self adhesive fastening

Description:

White, top-coated direct thermal 81 micron polypropylene facestock with a permanent acrylic adhesive and a 38 micron polyester liner. This material is converted into direct thermal pressure sensitive bar code identification wristbands.

Suggested Applications

- Safe, secure, positive patient ID for hospitals
- Event admissions- sports, concerts, festivals etc.
- Water and amusement park admissions
- Cruise ships and resorts- cash free transactions

Key features and benefits

Ease of use, ribbon-less printing, no ribbon loading required

Patent pending anti-microbial coating prevents the growth and survival of micro-organisms on the wristband.

Meets healthcare patient identification and safety requirements

Adhesive complies with FDA 21 CFR 175.105

Excellent print quality down to 5 mil narrow bar codes

UV overvarnish is applied over print area on wristbands, providing excellent resistance to water, soaps, foam soaps, lotions, alcohol and other anti-bacterial cleaning agents

Secure closure with tamper evident slits and high performance acrylic adhesive, bands cannot be removed and reapplied

Latex-free, no latex used in raw material processing



Z-Band® Direct continued

Technical Specifications

Description		Caliper
Facestock	Top-coated white direct thermal polypropylene film	81 microns
Adhesive	high performance acrylic adhesive	25.4 microns
Liner	print treated polyester	38.1 microns
Total		145 microns

Recommended Storage Conditions: 6 months duration when stored between 0°C and 21°C at 35% to 50% RH

Recommended Zebra printer: desktop, mid-range and high performance

Service Temperature Range: -40°C to 60°C

Recommended Darkness and Print Speed Settings

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

Z-Band Direct Performance and Durability

Abrasion Test: Exceeds 1500 rubs using Crockmeter with heavy arm and crocking cloth

Heat Resistance: Human readable information still legible after 1 hour 90C

Water: Withstands total immersion in water

IPA: Withstands 50 rubs with cotton applicator (91% IPA)
Withstands 50 rubs with cotton applicator (70% IPA)

Foam Soap: Withstands long term exposure (60 minutes) to Carrington Carrafoam TM, skin and perineal cleanser

Skin Protectant: Withstands long term exposure (60 minutes) to Hollister Clean 'N Moist, No rinse breathable barrier skin protectant



Z-Band® Direct continued

Z-Band Direct					
	Part Number	Size	Core	Max. Roll OD	Quantity per roll
Adult	97873	1" x 11" (25.4mm x 279.4mm)	1" (25.4mm)	5" (127mm)	260
Adult	10000886	1" x 11" (25.4mm x 279.4mm)	3" 76.2mm)	8" (203mm)	580
Child	97874	1" x 7" (25.4mm x 177.8mm)	1" (25.4mm)	5" (127mm)	410
Neonatal	97878	0.75" x 6" (19.05mm x 152.4mm)	1" (25.4mm)	5" (127mm)	480

Sample Rolls					
	Part Number	Size	Core	Max. Roll OD	Quantity per roll
Sample Roll	S65641-1	1" x 11" (25.4mm x 279.4mm)	1"(25.4mm)	5" (127mm)	50
Sample Roll	SAM65641-1	1" x 11" (25.4mm x 279.4mm)	3"(76.2mm)	8" (203mm)	50

NOTE: All of the above wristband products have a black sensing mark and require a printer equipped with black mark sensing.

Custom wristband sizes, configurations, and colours are available.

Contact your Zebra Supplies Sales Representative for a quote.

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 material, please see price list for order details.