Z-Supreme™ 4000T White ESD

Media Type	Label	✓
	Receipt	
	Tag	
	Wristband	
Material Type	Paper	
	Synthetic	✓
Printing Technology	Direct Thermal (no Ribbon Required)	
	Thermal Transfer (Ribbon Required)	✓
Adhesive Type	Permanent	✓
	Removable	
	No Adhesive	
Finish	Matte	
	Gloss	✓

Film Type	Polyethylene	
	Polyolefin	
	Polypropylene	
	Polyester	
	Polyimide	✓
Properties	Cold Temperature	✓
	Deep Freeze	✓
	High Temperature	✓
	Ultra High Temperature	✓
	High Tack	
	Chemical Resistance	**Extreme**
Environment	Indoor	✓
	Outdoor	

Additional Features

- Specifically designed for high temperature and harsh environment applications
- Offers resistance to temperatures as high as 535°C (short term exposure)
- Excellent ANSI barcode print quality
- Suitable to run through printed circuit board (PCB) manufacturing process
- Special additives in both the topcoat and adhesive, which minimises static charge
- Electrostatic safe product in accordance with EIA 625 and EIA 541. The test methods employed were in accordance with EOS/ESD S11.11
- When peeled from the liner, less than 25 volts per square inch of electrostatic charge is created
- Specific chemical resistance for military electronics as tested using Military Standard MIL-STD 202G, Notice 12, Method 215K
- UL approved for electronic equipment, as a label which will last as long as the product

Suggested Applications

- PCB applications; top and bottom side labelling
- Electronic and component labelling
- High temperature industrial manufacturing

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UL Recognised

UL approved for use with the following ribbons:

- 5100

Technical Specifications

	Description	Caliper
Facestock	Gloss white coated polyimide film	68 microns
Adhesive	Permanent high-performance acrylic adhesive	50 microns
Liner	65gsm white glassine liner	79 microns
	Total	197 microns ±15%

Recommended Zebra Printers:	Mid-range and high-performance thermal printers
Recommended Zebra Ribbons:	5095, 5100
Minimum Application Temperature: When the label is applied, the environment and surface should be above this temperature	10°C
Service Temperature Range: Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range	-40°C to 537°C (Short term)
Recommended Storage Conditions: Storage of product before use	1 year duration when stored at 26°C at 60% RH
Expected Life Span in Application: Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated	Indoor use, 1 year+
High Temperature Testing:	Barcode printed labels applied to aluminium panels and tested in muffle furnace. Five minute adhesive dwell time before heat exposure. Result: Excellent ANSI grade recorded before and after exposure. No visible degradation of printed barcode or facestock.

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Maximum Heat Resistance

Temperature	Duration
535°C (995°F)	Less than 5 seconds
350°C (662°F)	1 minute
300°C (572°F)	2 minutes
260°C (500°F)	5 minutes

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.

For testing of this material please order sample roll SAMPLE65652.

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