

## Z-Supreme™ 4000T White ESD

<b>Media Type</b>	Label	✓	<b>Film Type</b>	Polyethylene	
	Receipt			Polyolefin	
	Tag			Polypropylene	
	Wristband			Polyester	
<b>Material Type</b>	Paper			Polyimide	✓
	Synthetic	✓	<b>Properties</b>	Cold Temperature	✓
<b>Printing Technology</b>	Direct Thermal (no Ribbon Required)			Deep Freeze	✓
	Thermal Transfer (Ribbon Required)	✓		High Temperature	✓
<b>Adhesive Type</b>	Permanent	✓		Ultra High Temperature	✓
	Removable			High Tack	
	No Adhesive		Chemical Resistance	<b>Extreme</b>	
<b>Finish</b>	Matte		<b>Environment</b>	Indoor	✓
	Gloss	✓		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

## UL Recognised

UL approved for use with the following ribbons:

- 5100



## Technical Specifications

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

**Recommended Zebra Printers:** Mid-range and high-performance thermal printers

**Recommended Zebra Ribbons:** 5095, 5100

**Minimum Application Temperature:** 10°C  
When the label is applied, the environment and surface should be above this temperature

**Service Temperature Range:** -40°C to 537°C (Short term)  
Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

**Recommended Storage Conditions:** 1 year duration when stored at 26°C at 60% RH  
Storage of product before use

**Expected Life Span in Application:** Indoor use, 1 year+  
Following correct application and appropriate dwell time (usually 24hrs) we expect, but do not warrant, a life span as indicated

**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.

### 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.