

Z-Supreme™ 3100T White

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

Additional Features

- Specifically designed for high temperature and harsh environment applications
- Offers resistance to temperatures as high as 350°C (short term exposure)
- Excellent ANSI barcode print quality
- Excellent Crockmeter durability – 500 rubs, no print degradation
- Can withstand high pressure, high temperature solvent cleaning
- Suitable to run through printed circuit board (PCB) manufacturing process
- BPA free
- Latex free adhesive

Suggested Applications

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

Technical Specifications

	Description	Caliper
Facestock	Matte white coated polyimide film	65 microns
Adhesive	Permanent acrylic adhesive	40 microns
Liner	90gsm white glassine liner	75 microns
	Total	170 microns ±10%

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

Recommended Zebra Ribbons: 4800, 5095, 5100

Minimum Application Temperature: 5°C
When the label is applied, the environment and surface should be above this temperature

Service Temperature Range: -40°C to 350°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 23°C at 50% 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: ANSI grade B recorded before and after exposure. No visible degradation of printed barcode or facestock.

Maximum Heat Resistance

Temperature	Duration
350°C (662°F)	60 seconds
250°C (482°F)	5 minutes
200°C (392°F)	60 minutes

Suggested Ribbons for Applications requiring Chemical Resistance

	Weak			Moderate				Harsh		
	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	IPA	Gasoline	Grease	Oil
4800	✓	✓	✓	✓	✓	✓	✓		✓	✓
5095	✓	✓	✓	✓	✓	✓	✓		✓	✓
5100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

“✓” indicates acceptable chemical resistance

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 SAMPLE5159.