

Z-Ultimate® 2500T 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	Harsh
Finish	Matte		Environment	Indoor	✓
	Gloss	✓		Outdoor	✓

Additional Features

- Outstanding print quality, smear and scratch resistance
- Good resistance to moderate and harsh chemicals and solvents
- Excellent adhesion to a wide range of surfaces
- Tear and water resistant
- UL approved for electronic equipment, as a label which will last as long as the product
- BPA free
- Latex free adhesive

Suggested Applications

- Sterile services labelling including autoclave
- Capital asset labelling and tracking
- Rating plate and component labelling
- Topside PCB labelling
- Automotive labelling
- Meter reading labels
- Government and military asset labelling
- Gloss materials are not suitable for fanfold applications

UL Recognised

Approved for use with the following ribbons:

- 4800
- 5095
- 5100



Technical Specifications

	Description	Caliper
Facestock	Gloss white topcoated polyester	58 microns
Adhesive	Permanent acrylic adhesive	25 microns
Liner	64gsm glassine liner	53 microns
Total		136 microns $\pm 10\%$

Recommended Zebra Printers:

Desktop, mid-range and high-performance thermal printers

Recommended Zebra Ribbons:

4800, 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 150°C

Recommended Storage Conditions:

Storage of product before use

1 year duration when stored at 23°C at 50% 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+
Outdoor use, for up to 1 year



Suggested Ribbons for Applications requiring Chemical Resistance

	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
5095	✓	✓	✓	✓	✓		✓	✓	✓		✓						
5100	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓						

“✓” indicates acceptable chemical resistance

4800 ribbon will also provide chemical resistance, however requires testing in application

180° Angle Peel Adhesion at Room Temperature (N/m):

Steel		Polycarbonate		Polyethylene	
5 min	24 hr	5 min	24 hr	5 min	24 hr
429	517	319	517	121	154

Facestock Tensile Strength

- Machine direction: 18,000 psi
- Transverse direction: 22,000 psi

Note: For guidance only, not to be used for setting specifications

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 SAMPLE68610.