

Z-Ultimate® 3000T Clear

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

Note: Due to label transparency, barcode scannability depends on substrate colour.

Additional Features

- Crystal clear facestock
- Outstanding print quality, smear and scratch resistance
- Good resistance to moderate and harsh chemicals and solvents
- Good initial tack to a wide variety of surfaces
- Tear and water resistant
- BPA free
- Latex free adhesive

Suggested Applications

- Capital asset tracking and component labelling
- Security labels
- Mirror image barcoding
- Labels which are exposed to acid or alkali solutions
- Can be used as a protective over-laminating label
- Water immersed labels
- Gloss materials are not suitable for fanfold applications

Technical Specifications

	Description	Caliper
Facestock	Clear gloss topcoated polyester	51 microns
Adhesive	Permanent acrylic adhesive	20 microns
Liner	89gsm white kraft liner	81 microns
Total		152 microns ±10%

Recommended Zebra Printers: Desktop, mid-range and high-performance thermal printers

Recommended Zebra Ribbons: 4800, 5095, 5100

Minimum Application Temperature: -4°C
When the label is applied, the environment and surface should be above this temperature

Service Temperature Range: -40°C to 149°C
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 22°C at 50% RH
Storage of product before use

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

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 SAMPLE5061.