



8000T ESD Gloss

	Label	✓		Polyethylene	
Media Type	Receipt			Polyolefin	
	Tag		Film Type	Polypropylene	
	Wristband			Polyester	~
	Paper			Polyimide	
Material Type	Synthetic	✓		Cold Temperature	✓
Printing	Direct Thermal (no Ribbon Required)			Deep Freeze	~
Technology	Thermal Transfer	1	Dresserties	High Temperature	✓
	(Ribbon Required)		Properties	Ultra High	
	Permanent	✓		Temperature	
Adhesive Type	Removable			High Tack	
	No Adhesive			Chemical Resistance	Harsh
Finish	Matte		Environment	Indoor	✓
	Gloss	✓	Environment	Outdoor	✓

Additional Features

- Specially developed for electrostatic safe applications in accordance with the ESD S11.11 Surface Resistance Test and complies with EIA 541 and EIA 625
- Features special additives in both in the topcoat and adhesive, which minimise electrostatic charge
- Offers good high temperature resistance for demanding applications
- Excellent print quality is achieved with Zebra 4800, 5095 and 5100 ribbons
- Tear and water resistant
- BPA free
- Latex free
- UL approved

Suggested Applications

- Applications requiring resistance to electrostatic discharge
- Circuit board labelling
- Disk drive labelling
- Other sensitive electronic components

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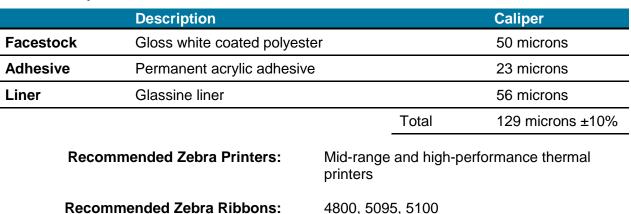




UL recognised

UL recognised for use with the following ribbons: 5095, 5100 resin

Technical Specifications



10°C

-40°C to 150°C

Recommended Zebra Ribbons:

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

Service Temperature Range:

Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range

Recommended Storage Conditions: Storage of product before use

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

1 year duration when stored at 21°C at 50% RH

Indoor use, for 1 year+

Suggested Ribbons for Applications requiring Chemical Resistance

	Weak			Moderate			Harsh			Extreme							
	Blood	Body Fluid	Salt Water	Water	Window Cleaner	Alcohol	Ammonia	Bleach	A	Gasoline	Grease	Oil	Acetone	IR Reflow	MEK	тсе	Xylene
5100	✓	~	✓	✓	✓	1	1	1	~		1	~					

4800 and 5095 ribbons will also provide chemical resistance, however requires testing in application





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

	Ste	eel	Polyca	bonate	Polyethylene			
	5 min	24 hr	5 min	24 hr	5 min	24 hr		
_	429	517	319	517	154	176		

ESD Testing

Electrical Properties	Film Surface	Adhesive Surface
Surface Resistivity* (ohm/sqm)	10 ¹³	10 ⁹
Static Decay** (V/s)	0.50	100
Peak Voltage** (V)	1360	200
Residual Voltage** (V)	1330	0
Dissipation Time** (s)	60	2.0

*Surface Resistivity is measured per EOD/ESD S.11.11 (Used Monroe Resistivity Meter Model 272)

**Used Monroe Static Charge Analyzer, Model 276A to measure static decay rate. Ion current is increased until it reaches 70mA.

The peak voltage at 70mA is recorded. After the twenty second charge duration expires, the samples charge dissipation is monitored for sixty seconds. The static decay is defined as the difference in peak and residual voltage as a function of the dissipation time.

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 SAMPLE5076.

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