

**ZEBRA**  
CAPTURE  
YOUR EDGE

# Z-Perform™ 1000D PF Label

Direct thermal, phenol-free, paper label with permanent acrylic adhesive

Thermal papers contain developers to help the image be created. BPA is no longer used, but some products still contain phenol-based developers, which can be a concern for some users due to potential health issues. Zebra's Z-Perform 1000D PF label, however, offers you a unique alternative. This direct thermal paper label is engineered with an alternative developer, offering an ideal substitute to phenols, while delivering the performance you have come to rely on from Zebra's Z-Perform family. The permanent acrylic adhesive can be applied to surfaces as cold as -4°F/-20°C. And with Zebra's legacy of craftsmanship and durability, you can count on optimized performance — with each and every label. Z-Perform 1000D PF labels are recommended for a wide variety of labelling applications including shipping, receiving, and work-in-process.



## Phenol-Free

Many thermal supplies use phenols as developers. Phenols are considered by some to be dangerous chemicals that have the potential to lead to adverse health conditions. Zebra's Z-Perform 1000D PF material offers a phenol-free labelling solution while delivering the performance you have come to expect from Zebra Certified Supplies.

## Ensure Long-Term Adhesion for a Variety of Applications

With its permanent acrylic adhesive that offers excellent adhesion on corrugated packaging, Z-Perform 1000D PF labels are ideal for a wide variety of indoor applications in shipping, logistics, and warehousing.

## Count on Consistently Exceptional Performance with Zebra Certified Supplies

Printing supplies can impact everything from printhead lifespan to operational efficiency. That's why we design, produce and rigorously pre-test our own line of thermal printing supplies to ensure consistent, optimized performance. We utilize an ISO 9001 certified, 23-point quality inspection to ensure consistent quality — and we never swap out materials. No matter when you order your labels, you can count on the same great performance.

**Z-Perform 1000D PF — Phenol-free direct thermal label that delivers reliable performance.**  
For more information on the Zebra's Z-Perform 1000D PF labels,  
please visit [www.zebra.com/barcodesupplies](http://www.zebra.com/barcodesupplies)

# Specifications

Material Construction	
Facestock	Uncoated, direct thermal paper
Adhesive	Permanent acrylic adhesive 15 microns
Liner	71gsm glassline liner 51 microns
Total Thickness (+/- 10%)	145 microns
Environment	Indoor use; cold temperature compatible
Temperature Performance	
Minimum Application Temperature <sup>1</sup>	32°F/ 0°C
Service Temperature Range <sup>2</sup>	-4°F to 176°F/-20°C to 80°C
Recommended Printers and Ribbons	
Printers	Direct thermal printer (no ribbon required); use Zebra mobile, desktop, mid-range and high-performance thermal printers for optimal performance
Ribbons	N/A
Chemical Resistance	
Weak Chemicals	
Blood	Test in your application
Body Fluid	Test in your application
Salt Water	Test in your application
Water	Test in your application
Window Cleaner	Not Recommended
Moderate Chemicals	
Alcohol	Not Recommended
Ammonia	Not Recommended
Bleach	Not Recommended
IPA	Not Recommended
Harsh Chemicals	
Gasoline	Not Recommended
Grease	Not Recommended
Extreme Chemicals	
Acetone	Not Recommended
IR Reflow	Not Recommended
MEK	Not Recommended
TCE	Not Recommended
Xylene	Not Recommended

Regulatory and Compliance	
EC 1935/2004, EU 10/2011 and BFR Recommendation XIV for direct contact with dry and moist, non-fatty foodstuffs FDA 175.105 for direct contact with dry foodstuffs, or alternatively separated by a functional barrier Phenol free and latex free	
Additional Information	
Recommended Storage Conditions	1 year duration when stored at 68°F to 77°F/20°C to 25°C at 40 to 50% RH
Expected Life Span in Application	Indoor use, for 1 year
Sample Part Number	SAMPLE30813
Material Testing in End Application	
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.	
Footnotes	
1. When the label is applied, the environment and surface should be above this temperature.	
2. Following correct application and appropriate dwell time (usually 24hrs) the media will withstand this temperature range.	

## Markets and Applications

### Transportation & Logistics

- Shipping, picking and receiving

### Manufacturing

- Product identification receiving
- Work in process

### Retail

- Price markdown labels

### Healthcare

- Specimen sample labels



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