

Z-Select 2000D Phenol Free Deep Freeze

Matte white top-coated phenol free thermal paper label

BPA (Bisphenol-A) is a chemical which was used in the manufacturing of plastics and in some thermal materials as a colour developer. Following its ban in 2020, BPS (Bisphenol-S) began to replace BPA. However, BPS has now been added to the EU's REACH candidate list for Substance of Very High Concern (SVHCs), a common first step on the road to restriction. Z-Select 2000D Phenol Free Deep Freeze is a premium top-coated Phenol free material providing an ideal option for anyone looking for an environmentally compliant premium thermal label.



Designed for the Toughest Environments and Applications

The adhesive is designed for application at low temperatures and to withstand deep freeze temperatures, with good adhesion to a wide variety of surfaces including cardboard, plastic, films, HDPE, PP and PET. At room temperature it also offers a degree of repositionability and removability. Complies with European food directives and legislation FDA 175.105 and the German recommendations BfR Recommendation XIV.

Approved for direct contact with dry and moist and such kind of fatty foods that have a reduction factor of at least 2 according to the regulation (EU) 10/2011.

Minimum application temperature of -15°C and service temperature range from -50°C to 80°C.

Print Confident. Print Quality. Print Zebra

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 inspection process and consistent materials to ensure reliable performance from order-to-order. No matter when you order your labels, you can count on the same consistent performance.

Health and Environmentally-Conscious Engineering

These BPA- and BPS-free labels protect the environment and the safety of everyone who comes in contact with them—from workers who load label stock into the printers and apply the labels to customers who purchase labeled goods.

Z-Select 2000D Phenol Free Deep Freeze—Premium top-coated phenol free label—
For more information, please visit www.zebra.com/supplies

Specifications

Material Construction	
RM Number	10024326RM
Facestock	Matte white topcoated paper, thermal imaging paper 79 microns
Adhesive	Permanent acrylic adhesive 12 microns
Liner	57gsm glassine liner 51 microns
Total thickness ± 10%	149 microns
Environment	Indoor use; deep freeze compatible
Temperature Performance	
Minimum Application Temperature ¹	-15°C
Service Temperature Range ²	-50°C to 80°C
Recommended Printers and Settings	
Printers	Mobile, desktop, mid-range and highperformance thermal printers
Ribbons	N/A
Adhesive Strength	
Corrugate	N/A
Steel	N/A
Polycarbonate	N/A
Polyethylene	N/A
Chemical Resistance	
Weak Chemicals	N/A
Moderate Chemicals	N/A
Harsh Chemicals	N/A
Extreme Chemicals	N/A
UL/cUL Certified Materials with this Ribbon	
List materials with a common between them	N/A
Regulatory and Compliance	
<p>Complies with European food directives and legislation FDA 175.105 and the German recommendations BfR Recommendation XIV. Approved for direct contact with dry and moist and such kind of fatty foods that have a reduction factor of at least 2 according to the regulation (EU) 10/2011.</p> <p>Complies with the Swiss ordinance (SR814.81) on the restriction of BPS.* both EU and Swiss authorities regulate on a 0.02% trace amount allowance, this is generally considered as free-off BPA or BPS. Not recommended for applications involving long term exposure to sunlight or extreme heat.</p> <p>Produced totally free of Phenol-based chemistry.</p> <p>Resistant to oil, water and plasticisers.</p> <p>Not recommended for applications involving long term exposure to sunlight or extreme heat.</p>	

Product Performance and Suitability	
Recommended storage conditions	6 month duration when stored at 20°C to 25°C at 40 to 50% RH
Expected life span in application ³	Indoor use, for up to 1 year
Sample Part Number	SAMPLE24326
Footnotes	
<p>1. When the label is applied, the environment and surface should be above this temperature.</p> <p>2. Following correct application and appropriate dwell time (usually 24 hrs) the media will withstand this temperature range.</p> <p>3. Following correct application and appropriate dwell time (usually 24 hrs) we expect, but do not warrant, a life span as indicated. Specifications are subject to change without notice.</p>	

Markets and Applications

Logistics

- Labelling of packaging material

Warehouse

- Cold storage applications

Retail

- Labelling in freezer environments

Healthcare

- Cold temperature pharmaceutical labelling

Manufacturing

- Indoor cold temperature labelling

Other

- Product identification labels



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