

Z-Essentials 540D

Direct thermal paper label

Z-Essentials 540D is a direct thermal uncoated paper label with hot melt rubber adhesive and a glassine liner. The label is ideal for shipping, retail pricing, food labeling, work-in-process labeling, and other short-life high-volume applications.

The permanent rubber adhesive can be used in ambient and cold environments and can be applied to surfaces as cold as 32°F/0°C. The label is designed to adhere to moist surfaces, making it suitable for food labeling applications where moisture or refrigeration could be factors. It complies with FDA 175.105 for indirect food contact requirements.



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.

Features

The total caliper of the label is 10% thinner than an average direct thermal paper label. That means 10% more labels on the roll, increasing productivity as rolls need to be replaced fewer times. The reduced thickness makes this label more environmentally sustainable, as it requires less packaging as well as reduced shipping and warehousing costs.

Customization Available

Zebra can deliver Z-Essentials 540D labels in just about any size, shape or label set configuration to meet the requirements of your application and process. In addition, our flexographic print presses can add pre-printed text, graphics and color.

Z-Essentials 540D — direct thermal coated paper label with hot melt rubber adhesive and a glassine liner.

For more information, please visit www.zebra.com/supplies

Specifications

Material Construction

RM Number	10026905RM
Facestock	White smooth uncoated paper; 2.9 mils
Adhesive	Permanent rubber adhesive; 0.6mils
Liner	40 lb. Glassine paper; 2.1mils
Total thickness +/- 10%	5.6 mils

Temperature Performance

Minimum Application Temperature	32° F / 0° C
Service Temperature Range	-40° F to 140° F / -40° C to 60° C
Optimal Storage Conditions	72° F (22° C) at 50% RH
Expected Exterior Life	Not recommended for outdoor use

Chemical Resistance

Weak Chemicals	Blood, Body Fluid, Salt Water, Water, Window Cleaner; None of these chemicals are Recommended
Moderate Chemicals	Alcohol, Ammonia, Bleach, IPA; None of these chemicals are Recommended
Harsh Chemicals	Gasoline, Grease, Oil; None of these chemicals are Recommended
Extreme Chemicals	Acetone, IR Reflow, MEK, TCE, Xylene; None of these chemicals are Recommended

Adhesive Strength

Corrugate	5 min: 5 oz/in, 24hrs: 6 oz/in
Stainless Steel	5 min: 30 oz/in, 24hrs: 35 oz/in
Polycarbonate	Facestock Tore
Polyethylene	5 min: 17 oz/in, 24hrs: 36 oz/in

Suggested Applications

- Product Identification
- Compliance Labeling
- Work-in-process
- Food Labeling



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