



Z-Xtreme 5000T White

Permanent labels

Thermal Transfer

Description

This white, matte finished polyester label is specially designed to provide extreme chemical and solvent resistance when matched with Zebra's Image Lock™ ribbon*.

*Z-Xtreme must be used in conjunction with Image Lock ribbon to obtain the chemical resistance shown by our tests. It is a 2 part solution. Other resin ribbons will not print on this material.

The facestock provides high quality print with Zebra Image Lock ribbons. The acrylic adhesive, designed to adhere to a wide variety of substrates, will withstand prolonged exposure to high temperatures and solvents. These labels offer enhanced performance and greater chemical resistance when compared with standard Z-Xtreme products.

Features:

- Thermal transfer, matte polyester label with a high-performance permanent acrylic adhesive
- Excellent smear/scratch resistance
- Excellent durability and chemical resistance
- Topcoating is suitable for fanfolding
- Also available in silver (66507RM)

Suggested Applications:

- UL/cUL compliance product labelling
- Top-side PCB labelling
- Laboratory slide labelling
- Asset labelling
- Automotive labelling
- Serial plate labelling
- Applications currently using an overlaminates

Technical Specifications

	Description	Caliper
Facestock	Matt white coated polyester	76.2 microns
Adhesive	Permanent acrylic based adhesive	25.4 microns
Liner	White Glassine Liner	56 microns
	Total	157.6 microns



Z-Xtreme 5000T White continued

Recommended Zebra printers:	mid-range and high-performance thermal transfer printers
Recommended Zebra ribbons:	Image Lock only
Minimum application temperature:	10°C
Service temperature range:	-40°C to 150°C
Recommended storage conditions:	One year duration when stored at approx 0°C to 21°C at 35% to 50% RH

Chemical Resistance

	Z-Xtreme 4000T 3200 ribbon	Z-Xtreme 4000T 5095 Ribbon	Z-Xtreme 5000T Image Lock Ribbon
Acetone	✓		✓
Xylene	✓		✓
1,1,1 Trichloroethane	✓		✓
Gasoline		TEST	✓
91% Isopropyl Alcohol	✓	✓	✓
Transmission Fluid	TEST	TEST	✓
Hexane	✓	✓	✓
Denatured Alcohol	✓	TEST	✓
Engine Coolant	✓	✓	✓
Motor Oil	TEST	TEST	✓
Windshield Wiper Fluid	✓	✓	✓



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Abrasion Resistance

	Z-Xtreme 4000T	Z-Xtreme 4000T	Z-Xtreme 5000T
	3200 ribbon	5095 Ribbon	Image Lock Ribbon
Scratch/Smear		✓	✓

- ✓ – Excellent performance
- TEST – Test in your application
- Blank – Not recommended

UL/CSA Acceptances:

Z-Xtreme 5000T White and Silver with the Image Lock ribbons are UL- and cUL recognized for indoor/outdoor use.

FDA Approval:

The adhesive on this material has FDA approval under numbers :
 175.105 (Indirect contact), 175.125 (Direct contact with dry foods and poultry), 176.170 (Incidental contact, aqueous products) and 176.180 (Direct contact with dry food)

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

Steel		Polycarbonate		Polyethylene	
5 min	24 hr	5 min	24 hr	5 min	24 hr
693	913	451	594	286	363

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 product, order SAM66506