



ZEBRA

# Z-Perform 1500T

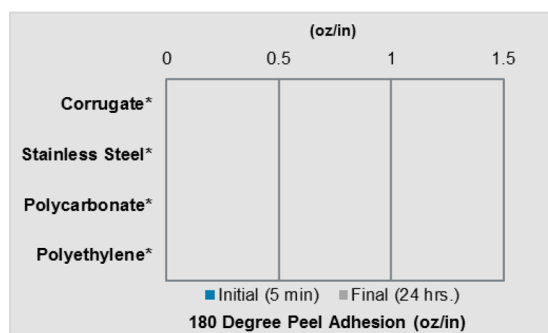
## FEATURES

- Thermal transfer, smooth paper label with a permanent acrylic adhesive
- Recommended for printing applications up to 14 inches per second
- Suitable for fanfolding
- Meets FDA 175.105 for indirect food contact requirements
- Available in white (10017767RM)

## MATERIAL CONSTRUCTION

Component	Description	Caliper
Facestock	White smooth topcoated paper	2.6 mil
Adhesive	Permanent, acrylic-based	0.6 mil
Liner	40 lb. semi-bleached, kraft stock	2.4 mil
TOTAL ± 10%		5.6 mil

## ADHESIVE STRENGTH



\*Attraction between adhesive and surface is so great that the facestock rips.

## TEMPERATURE PERFORMANCE

Minimum Application Temperature	Service Temperature	Optimal Storage Conditions
25° F (-4° C)	0° F to 180° F (-18° C to 82° C)	72° F (22° C) at 50% RH

### Expected Exterior Life

Not recommended for outdoor use

## CHEMICAL RESISTANCE

		Suggested Ribbon		
		6000	2000	6100
Weak	Blood	●	●	●
	Body Fluid	●	●	●
	Salt Water	●	●	●
	Water	●	●	●
	Window Cleaner	●	●	●
Moderate	Alcohol	NR	NR	NR
	Ammonia	NR	NR	NR
	Bleach	NR	NR	NR
	IPA	NR	NR	NR
Harsh	Gasoline	NR	NR	NR
	Grease	NR	NR	NR
	Oil	NR	NR	NR
Extreme	Acetone	NR	NR	NR
	IR Reflow	NR	NR	NR
	MEK	NR	NR	NR
	TCE	NR	NR	NR
	Xylene	NR	NR	NR

● Recommended ● Test in Your Application NR Not Recommended

## SUGGESTED APPLICATIONS

- Labeling of packaging material



- Compliance labeling



- Work in process



- Food labeling



**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.



**ZEBRA**

# Zebra ZBR4001 Inlay

## DETAILS

- Advanced inlay
- High memory
- Optimized to be read from nearly any angle
- Performs well when placed on or near challenging materials (i.e. pallets, freight)
- Excellent read accuracy with overhead readers like Zebra ATR7000
- Applications: Case / Pallet, Freight, Automotive



## SUGGESTED APPLICATIONS

- Case/pallet labeling



- Transportation & Logistics



- Freight/Assets



- Automotive



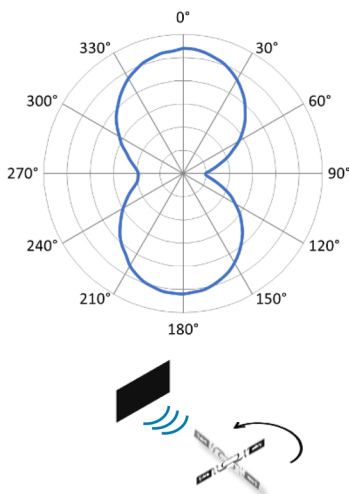
## TECHNICAL INFORMATION

- Chip: NXP UCODE 7xm
  - EPC memory: 448 bit
  - User memory: 1024 bit (1-kbit)
  - TID: 96 bit factory locked (48 bit unique)
  - Read Sensitivity: -19dBm
  - Write Sensitivity: -12dBm
  - UHF RFID, EPC Gen2v2, ISO 18000-63, RAIN RFID
- High sensitivity: read range up to 12m

## THEORETICAL\*\* READ RANGES ON VARIOUS SURFACES (m)

Material	ETSI (865-868 MHz)	FCC (902-928 MHz)
Air	7	10
Cardboard	9	9
Fiberglass	11	9
Glass	10	8
PTFE	11	10
Polyacetyl	11	9
PVC	12	9
Rubber	10	7

## RADIATION PATTERN\*



\*Read range drops to 19% of maximum when inlay is perpendicular (90° and 270°) to the reading antenna.

\*\*Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

All inlays certified by Zebra have been pre-tested with Zebra printers and readers.



atlasRFIDstore

(205) 383-2244

sales@atlasRFIDstore.com

www.atlasRFIDstore.com

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