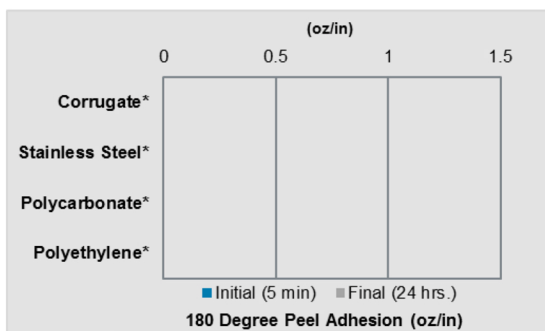# Z-Perform 1500T

ZEBRA

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

(oz/in)

	0	0.5	1	1.5
Corrugate*				
Stainless Steel*				
Polycarbonate*				
Polyethylene*				

■ Initial (5 min) ■ Final (24 hrs.)
180 Degree Peel Adhesion (oz/in)

*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

	Chemical	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

CERTIFIED

- 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.

AD-Burst M830 RFID Inlay

General Purpose, Zebra-Certified RFID Inlay

The Avery Dennison Burst M830 RFID inlay is a cutting-edge solution designed to enhance inventory management and asset tracking across various industries. With its advanced Impinj M830 chip, the inlay provides exceptional read range and accuracy, crucial for tracking wide range of products, such as returnable containers, throughout complex supply chains. This ensures precise inventory monitoring and reduces losses associated with misplaced or unreturned items. The Burst M830 is particularly effective in retail, logistics and supply chain applications, providing businesses with improved visibility, reduced shrinkage, and optimized operations through reliable RFID technology.

The AD-Burst M830 RFID inlay is 73mm x 13.5mm

Impinj IC – M830

The Impinj M830 is a high-performance RAIN RFID tag chip designed for various applications. Known for its exceptional read sensitivity and reliability, the M830 chip enables longer read ranges and faster, more accurate data capture. Its compact design and energy efficiency make it an ideal choice for businesses looking to enhance their supply chain visibility and operational efficiency.

Offers market leading performance and meet many Auburn Specs

The AD-Burst M830 RFID inlay is designed to meet the rigorous standards set by Auburn University's ARC Specifications. These specifications are renowned in the industry for ensuring high performance and interoperability of RFID tags across various applications. By adhering to Auburn's standards, the AD-Burst M830 inlay guarantees reliable read range and durability, making it a preferred choice for challenging environments.

Zebra Certified for consistently exceptional performance

Zebra is ISO 9001 certified and uses quality processes to reduce instances of unsuccessful encoding. We pre-test labels with Zebra readers and printers to ensure industry-leading performance. Lastly, we use the same label material from order-to-order to safeguard consistency and quality.

Unmatched expertise in RFID

Zebra is your trusted expert in all things RFID. We offer end-to-end RFID solutions – including pre-tested RFID supplies made with the right materials and adhesives, along with the highest-performing inlays and chips – customized for your application. We have played a central role in pioneering RFID technologies and defining global standards since the mid-1990's, when smart-label technology first appeared. We were recognized as the #1 RFID brand by the 2018 RFID Journal's Brand Report. And we hold more than 575 RFID patents and numerous industry firsts in RFID.

Specifications

Technical Information

Chip	M830
EPC Memory	128-bit
User Memory	N/A
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-25.5 dBm
Write Sensitivity	-20 dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 20m in open air

Theoretical Read Range: ETSI (865-868 MHz)1

Air	17 m
Cardboard	18 m
Fiberglass	16 m
Glass	15 m
PTFE	15 m
Polyacetyl	14 m
PVC	14 m
Rubber	14 m

Theoretical Read Range: FCC (902-928 MHz)1

Air	15 m
Cardboard	12 m
Fiberglass	15 m
Glass	11 m
PTFE	13 m
Polyacetyl	16 m
PVC	18 m
Rubber	11 m

Testing and Compliance

All inlays certified by Zebra have been pre-tested with Zebra printers and readers. Meets Auburn ARC Spec F, I, L, O, Q, R, W5, W6, Y2.

*Approved ARC Specs listed at time of launch. ARC Specs are frequently added and updated, so the full list of approved specifications will change over time.
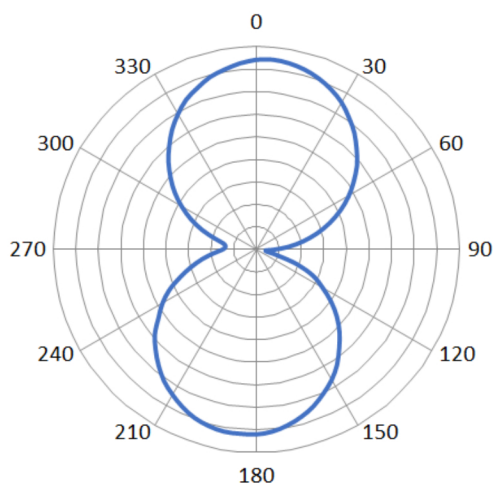
Material Testing in End Application

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Footnotes

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

Radiation Pattern

Markets and Applications

Transport & Logistics
- Item level labeling
- Returnable Containers

Warehousing
- Item level labeling
- Work in Process

Retail
- Item level labeling

Healthcare
- Item level labeling

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