

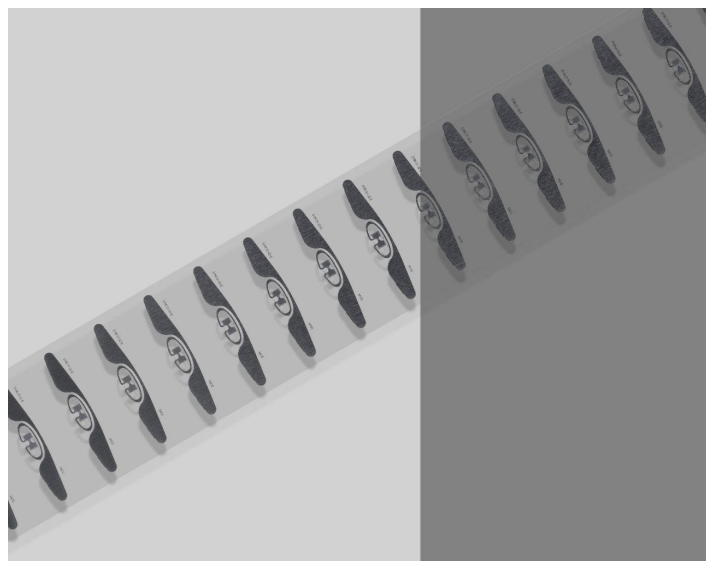
AD Saucer M830 MR

Enable Inventory Management with RFID Technology

Achieve accurate inventory management and precise store counts using Avery Dennison's AD Saucer M830 MR inlays. Designed for microwave resistance, AD Saucer M830 MR maintains excellent performance in high-density environments. Its adaptable 60 x 9 mm antenna footprint allows for conversion into various label sizes.

Featuring the impinj M830 IC, this inlay is equipped with 128-bit of EPC memory and a 96-bit unique factory locked TID number. A 48-bit unique serial number is factory-encoded into the TID. The improved readability of the new IC offers reliable reading of small tags at high volume and speed which supports the global IoT deployments. AD Saucer M830 MR is offered in a pressure sensitive label format.

Like all RFID products from Avery Dennison, AD Saucer M830 MR inlays are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment. The RFID Lab at Auburn University has awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.



Overview

Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	Impinj M830 / Strap Attach
Antenna Dimensions	60 x 9 mm / 2.36 x 0.35 in
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	Food
Applications	Protein and Deli Label Food Supply Chain Management Inventory Tracking
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006
Patent	Patent Pending
FDA Compliance	21 CFR 175.105*

*The product codes represented in this document may be used on the exterior of food packaging where the adhesive is separated from the food by a functional barrier in accordance with 21 C.F.R. § 175.105. It is the customer's responsibility to determine whether an appropriate functional barrier is present based on the customer's intended manner of use of the products.

Technical features

Chip / Chip Attachment Technology	Impinj M830 / Strap Attach
EPC and User Memory	128-bit EPC and 0-bit User Memory
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-614177
Delivery Format	Label
Die-Cut Dimensions	63 x 20 mm / 2.48 x 0.79 in
Die-Cut Corner Radius	3 mm / 0.118 in
Inlay Substrate	PET Clear
Face Sheet	DT Facestock
Adhesive	All Temperature Permanent
Total Thickness (over chip and release liner)	12.06 - 14.74 mils / 306.32 - 374.40 microns
Standard Pitch	25.4 mm / 1 in
Web Width	66 mm / 2.6 in
Core Size	35 mm / 1.38 in
Quantity / Reel	TBD pcs/reel
Size of Roll	MAX OD: 8"
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
On-Metal	Non metal

*Part # sold as is

Recommended microwave use parameters

- Label placement on the Top of packaging
- A minimum of 8 ounces of frozen product
- Products to include ground beef, whole muscle steak, whole muscle pork, whole muscle chicken, fish, and sausage
- Packaging material to include foam tray with plastic wrap, vacuum skin tray, vacuum skin roll stock, PET tray, Polypropylene tray and roll stock
- Power setting up to and including 100% power for up to and including 1 minutes on the wattage set forth in the table listed on this page
- A passed test is one that does not arc/spark and does not ignite during microwaving

Avery Dennison will not be liable for i) any misuse of the product ii) any changes or modifications to the product iii) any unforeseen use of the product i. Avery Dennison's liability shall be limited to the replacement of the product and Avery Dennison shall have no liability for any damages, including any special, indirect or consequential damages.

Microwave Wattage	Maximum Cook Time
950W @ 100% Power	2 minutes
1200W @ 100% Power	1 minute
Microwave Wattage	Maximum Cook Time
950W @ 30% Power	7 minutes/lb.
1200@ @ 30% Power	7 minutes/lb.

Find more label solutions at
rfid.averydennison.com



#MakingPossible

© 2025 Avery Dennison Corporation. All rights reserved. The "Making Possible" tagline, Avery Dennison and all other Avery Dennison brands, product names and codes are trademarks of Avery Dennison Corporation. All other brands or product names are trademarks of their respective owners. Fortune 500® is a trademark of Time, Inc. Branding and other information on any samples depicted are fictitious. Any resemblance to actual names is purely coincidental.