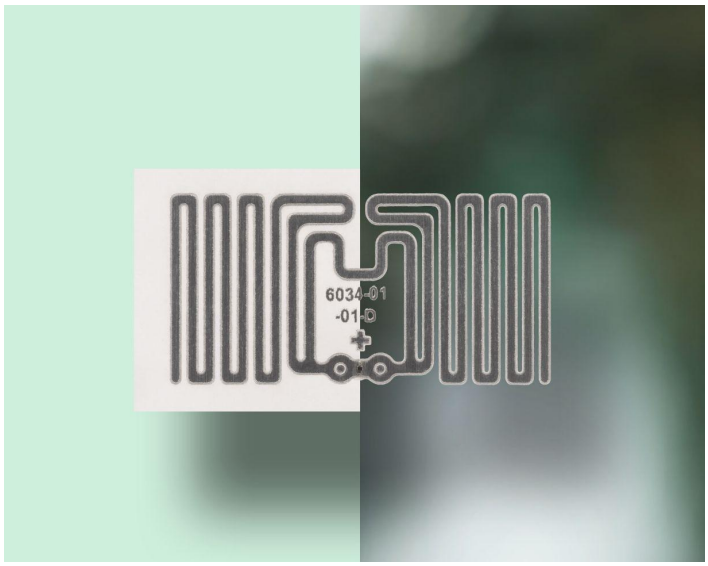
AD Dazzle M830 Pure™

Optimum read ranges for small item level tagging



AD Dazzle M830 Pure inlays from Avery Dennison are designed for tagging a wide range of items, particularly beauty & personal care products, fashion and jewelry accessories and other general merchandise. Built for the UHF frequency band, the inlays feature a 30 x 15 mm antenna with a global design. The slender form factor and rectangular shape further contributes to the versatile use in retail oriented applications to increase inventory accuracy, improve supply chain agility, and enhance visibility across all channels.

Sustainability - 100% Plastic Free
Pure inlays utilize an innovative antenna manufacturing technology that directly applies aluminum antennas onto a paper carrier, resulting in 100% plastic-free products. An independent Life Cycle Analysis (LCA) study indicates these products typically achieve 70-90% carbon footprint savings compared to traditional antenna etching methods. This manufacturing process also allows for the recycling of excess materials and a reduction in overall material usage, all while maintaining product performance.

The impact of the Pure paper-based inlays and tags in cardboard recycling has been verified by a third-party laboratory in the EU against Cepi Recyclability Test Method Version 3 (Part I: Recycling mill with conventional process and PTS-RH 021:97/2012. In the US, the hang tag construction is certified by Western Michigan University against SBS-E Part I (repulpability) and Part II (recyclability). How2Recycle® has “pre-qualified*” the RFID construction when applied to a paper hang tag and determined that the structure is eligible for a widely recyclable label.

Quality
Like all RFID products from Avery Dennison, AD Dazzle M830 Pure inlays are manufactured according to the industry’s highest quality standards, as confirmed by the RFID Lab at Auburn University. The inspection body 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 / Direct Chip Attach
Antenna Dimensions	30 x 15 mm / 1.18 x 0.59 in
International Standard	ISO 18000-63, EPC Class 1 Gen 2
Industry Segments	Beauty and Personal Care General Retail Apparel
Applications	Inventory and Logistics Supply Chain Management Brand Protection
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

***How2Recycle:** "Additional components, product application, or other attributes may change the final recyclability of the package. Must be a How2Recycle member and submit a label request to use the label on pack".

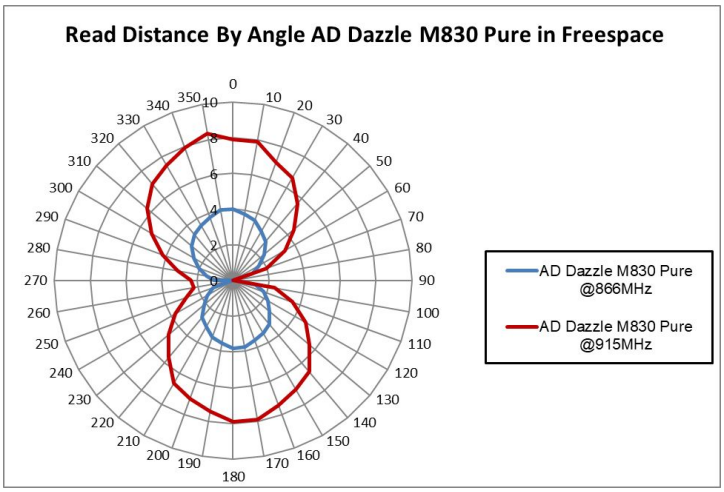
AVERY DENNISON

Technical features

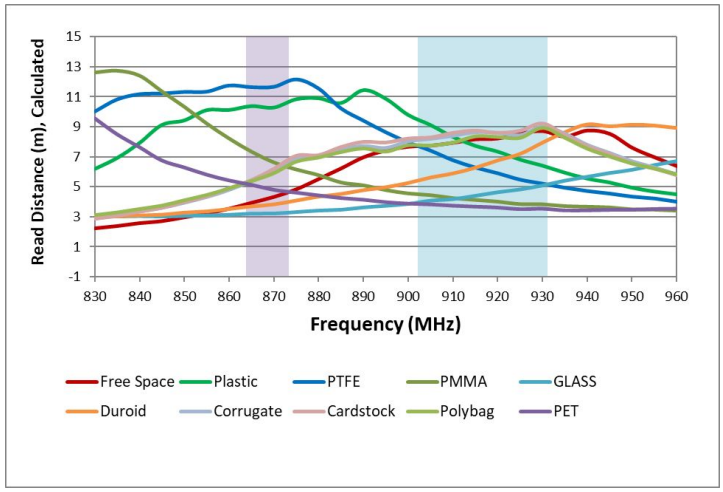
Chip / Chip Attachment Technology	Impinj M830 / Direct Chip Attach		
EPC and User Memory	96-bit and 0-bit		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	IL-613356	IL-613355	IL-613354
Delivery Format	Dry inlay	Wet inlay	Label
Die-Cut Dimensions	-	33 x 18 mm / 1.299 x 0.709 in	33 x 18 mm / 1.299 x 0.709 in
Die-Cut Corner Radius	-	1 mm / 0.039 in	1 mm / 0.039 in
Inlay Substrate	Paper 64	Paper 64	Paper 64
Face Sheet	-	-	Mid-gloss paper
Adhesive	-	RA-5	RA-5
Total Thickness (over chip and release liner)	6.89 - 8.39 mils / 175 - 213 microns	9.53 - 11.65 mils / 242 - 296 microns	12.01 - 14.69 mils / 305 - 373 microns
Standard Pitch	25.4 mm / 1 in	25.4 mm / 1 in	25.4 mm / 1 in
Web Width	36 mm / 1.42 in	36 mm / 1.42 in	36 mm / 1.42 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	8,000 pcs/reel	16,000 pcs/reel	5,000 pcs/reel
Size of Roll	MAX OD: 15”	MAX OD: 12”	MAX OD: 8”
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
Certificate	ARC Specification Guide		

*Other product codes available upon request.

Orientation sensitivity



Read range



All graphs are indicative: performance in real life applications may vary.

Sustainability features

Plastic Free	100% PET, PP, PE Free
Recyclability	The product is recyclable in the region where it is sold. Recyclability is subject to regional and country specific standards.
Paper & Cardboard	EU Paper recyclability: Paper and Board - Recyclability Laboratory test method, part 1 recycling mill with conventional process (version 3 Feb 2025) (CEPI), PTS RH021:97/2012
	US Paper Recyclability: SBS-E Part I (Repulpability) and Part II (Recyclability)
	Certified by Western Michigan University (WMU) for RFID paper cardboard incl. Hangtags and flexible paper packaging
	How2Recycle® "pre-qualification" for RFID construction when applied to a paper hangtag and flexible paper packaging
Responsible Sourcing	100% Paper based raw materials come from responsible sources

For more information, please visit the Avery Dennison sustainability page.


Plastic Free


Recyclable


Responsible Sourcing

Find more label solutions at
rfid.averydennison.com

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