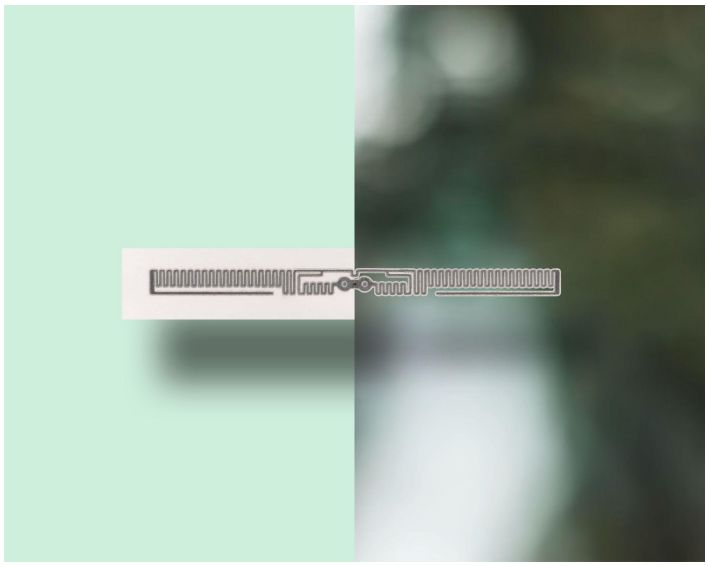
# AD Gleam M830 Pure™

## Optimum read ranges for small item level tagging



AD Gleam M830 Pure inlays from Avery Dennison, are engineered for tagging a diverse array of items, including beauty, personal care, fashion, jewelry, and other general merchandise. Their slim, rectangular shape makes them highly versatile for retail-focused uses, helping to boost inventory accuracy, improve supply chain responsiveness, and increase channel visibility.

**Sustainable while Maintaining the Overall Performance**

**100% Plastic Free** - produced via innovative antenna manufacturing technology where aluminum antenna is made directly on a paper carrier

**70-90% Lower Carbon Footprint*** - enabled by innovative antenna manufacturing method (compared to traditional etching method)

**Reduced Materials & Recycling Excess Materials** - enabled by the manufacturing process

**Recyclable in Paper & Cardboard Recycling Streams** –

- **Europe**: 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.
- **The USA:** 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.

**EU PPWR Ready** - a plastic-free component, simplifying compliance with upcoming Plastic Packaging Waste Regulations and recycled content targets.

**Quality**

Like all RFID products from Avery Dennison, AD Gleam 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 | 64 x 4 mm / 2.52 x 0.16 in |
| International Standard | ISO 18000-63, EPC Class 1 Gen 2 (Gen2X enhanced) |
| Industry Segments | Beauty<br>General Retail |
| Applications | Inventory and Logistics<br>Supply Chain Management<br>Brand Protection |
| RoHS | EU Directive 2011/65/EU and Directive (EU) 2015/863 |
| REACH | Regulation (EC) No. 1907/2006 |

* Proven by an LCA (Life Cycle Analysis) study by an independent institute
**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".

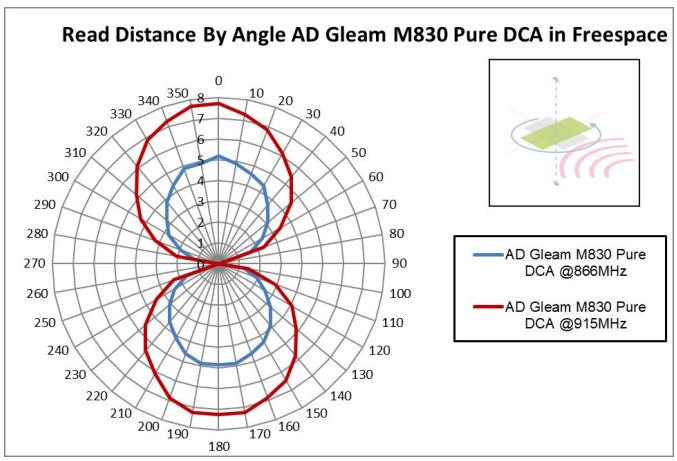
AVERY DENNISON

## Technical features

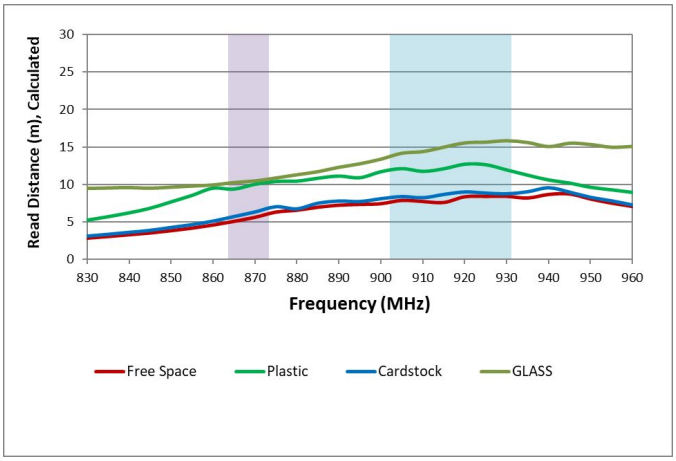
| | | | |
|---|---|---|---|
| Chip / Chip Attachment Technology | Impinj M830 / Direct Chip Attach | | |
| EPC and User Memory | 128-bit EPC and 0-bit User Memory | | |
| TID Memory | 96-bit / 48-bit unique serial number | | |
| Product Code | IL-613602 | IL-613604 | IL-613605 |
| Delivery Format | Dry inlay | Wet inlay | Label |
| Die-Cut Dimensions | - | 68 x 6 mm / 2.68 x 0.24 in | 68 x 6 mm / 2.68 x 0.24 in |
| Die-Cut Corner Radius | - | 1.59 mm / 0.063 in | 1.59 mm / 0.063 in |
| Inlay Substrate | Paper 64 | Paper 64 | Paper 64 |
| Face Sheet | - | - | Mid-gloss paper |
| Adhesive | - | General Purpose Permanent | General Purpose Permanent |
| Total Thickness (over chip and release liner) | 7.64 mils / 194 microns | 8.43 mils / 214 microns | 11.93 mils / 303 microns |
| Standard Pitch | 25.4 mm / 1 in | 25.4 mm / 1 in | 25.4 mm / 1 in |
| Web Width | 72 mm / 2.83 in | 72 mm / 2.83 in | 72 mm / 2.83 in |
| Core Size | 76 mm / 3 in | 76 mm / 3 in | 76 mm / 3 in |
| Quantity / Reel | 10,000 pcs/reel | 10,000 pcs/reel | 7,000 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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