



AD-222 RFID Inlays

- General-purpose inlay for use in a wide variety of applications
- High performance in high-volume corrugated box labeling RFID applications
- Available in high-yield/high-capacity rolls which integrate seamlessly into high-volume converting processes



RF Features

Optimized frequency range	Global (860-960MHz)
Mode of operation	Passive (battery free)

Protocol and Memory

Protocol	ISO/IEC 18000-6C EPCglobal C1G2
EPC memory allocation	96 bit EPC Number

Inlay Roll Format/Finishing

Un-wind direction



Core size with adaptor insert	3 in [76.2 mm] PN# 600115 6 in [152 mm] PN#600113/600114
Maximum roll outer diameter (not to exceed)	13 in [330 mm]

Environmental Specifications

Operating temperature	-40°F to +149°F -40°C to +65°C
Recommended storage temperature and humidity	72°F [22.2°C] at 50%RH
RoHS	EU Directive 2002/95/EC compliant

Dry Inlay Specifications

Part Number 600113

Antenna dimensions (CD x MD)	3.741 in x .302 in [95.01 mm] x [7.68 mm]
Standard pitch	0.625 in [15.88 mm]
Standard web width	4.75 in [120.65 mm] 3.875 in [98.43 mm]*
Inlay substrate material	Heat-treated PET
Thickness over chip (typical)	11 mils [279 microns]
Shelf life	2 years when stored at 72°F at 50%RH
Quality assurance	100% read tested with out-of-tolerance inlay marked
Avg units per roll	20,000

Pressure-Sensitive Inlay Specifications

Part Number 600115

Die-cut dimensions (CD x MD)	3.885 in x .44 in [98.68 mm] x [11.18 mm]
Standard pitch	0.625 in [15.88 mm]
Standard web width	4.125 in [104.78 mm]
Inlay-to-liner adhesive	S490 (Fasson®)
Liner material	40# SCK (Fasson®)
Total thickness over chip (typical)	14 mils [356 microns]
Shelf life	1 year when stored at 72°F at 50% RH
Quality assurance	100% edit and replace
Avg units per roll	20,000

CARE AND HANDLING RFID inlays are sensitive to ESD. Observe standard practices to keep environmental static charge to a minimum.

APPLICATIONS This product should be tested by the customer/user thoroughly under end use conditions to ensure the product meets the particular requirements. Avery Dennison does not represent that this product is fit for any particular purpose or use.

WARRANTY Please refer to Avery Dennison RFID standard terms and conditions. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.

PRODUCT CHANGES Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.

TRADEMARK STATEMENT Avery Dennison, S490 and Fasson® are trademarks of Avery Dennison Corporation.

* Part Number 600014

For the most recent information on Avery Dennison products, visit www.rfid.averydennison.com.

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