

# AD-226iL



## AD-226iL RFID Inlays

- All-purpose transponder tuned for global supply chain application uses
- Enhanced read range performance over existing AD-22x family of inlays
- Tight pitched high volume rolls
- Uses the latest NXP family of UCODE G2iL integrated circuits which includes a 128-bit EPC and 64-bit TID



Electrical Characteristics	
Operating Frequency	Global [860 - 960MHz]
Integrated Circuit [IC] – Manufacturer & IC Name	NXP G2iL
RF Communications Protocol	ISO/IEC 18000-6C & EPCglobal Class 1 Gen 2
Memory	128-bit EPC
TID	64-bit (incl. 32-bit unique serial number)

Environmental	
Operating Temperature	-40°F to 185°F [-40°C to 85°C]
RoHS	Designed to comply with EU Directive 2002/95/EC

Inlay Roll Format / Finishing	
Un-wind direction	Inlay-side out

	DRY INLAY	DRY INLAY	PS INLAY
Part Number	600265	600266	600267
Antenna dimensions, [CDxMD]	3.741in [95.03mm] x 0.321in [8.15mm]	3.741in [95.03mm] x 0.321in [8.15mm]	3.741in [95.03mm] x 0.321in [8.15mm]
Die-cut dimensions	n/a	n/a	3.885in [98.68] x 0.44in [11.18mm]
Inlay-to-liner adhesive	n/a	n/a	S-490 (Fasson®)
Liner material	n/a	n/a	1.5M Clear PET
Total thickness over chip [typical]	10-13mils [254-330.2 microns]	10-13mils [254-330.2 microns]	14-17mils [356-431.8 microns]
Standard pitch	0.625 in [15.88mm]	0.625 in [15.88mm]	0.625 in [15.88]
Standard web widths	4.75 in [120.65mm]	3.875 in [98.43mm]	4.125 in [104.78mm]
Inlay substrate material	PET	PET	PET
Quality assurance	100% read tested with out-of tolerance inlay marked	100% read tested with out-of tolerance inlay marked	100% edit and replace
Average number of units per roll	20,000	20,000	20,000
Core size	6 in [152 mm] with 3 in [76.2mm] adaptor	6 in [152 mm] with 3 in [76.2mm] adaptor	3 in [76.2mm]
Maximum roll outer diameter [not to exceed]	13 in [305mm]	13 in [305mm]	13 in [305mm]
Rev	00	00	00

**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.

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