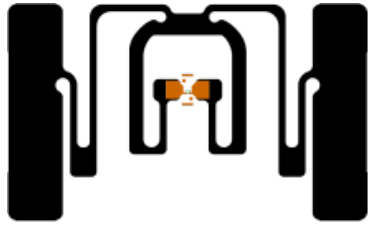


AD-380iL



AD-380iL RFID Inlays

- Highest performing inlay for its size on cotton and denim item-level apparel applications
- Excellent stacking capability for dense applications such as file tracking & other supply chain uses
- Wide-edge leading format enables a greater range of finishing options for converters and end users
- 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	EU Directive 2002/95/EC compliant

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

	DRY INLAY	PS INLAY	OPAQUE PS INLAY
Part Number	600254	600255	100197
Antenna dimensions, [CDxMD]	1.969 in [50mm] x 1.181 in [29.99mm]	1.969 in [50mm] x 1.181 in [29.99mm]	1.969 in [50mm] x 1.181 in [29.99mm]
Die-cut dimensions	n/a	2.126 in [54mm] x 1.339 in [34mm]	2.126 in [54mm] x 1.339 in [34mm]
Inlay-to-liner adhesive	n/a	S-490 (Fasson®)	S-490 (Fasson®)
Liner material	n/a	40# SCK (Fasson®)	40# SCK (Fasson®)
Face Sheet	n/a	n/a	Fasson® Trans-Therm® 2C
Total thickness over chip [typical]	10-13mils [254-330.2 microns]	14-17mils [356-431.8 microns]	15-17mils [381-431.8 microns]
Standard pitch	2.0 in [50.8 mm]	2.0 in [50.8 mm]	2.0 in [50.8 mm]
Standard web widths	2.75 in [69.85mm]	2.284 in [50 mm]	2.284 in [50 mm]
Inlay substrate material	PET	PET	PET
Quality assurance	100% read tested with out-of-tolerance inlay marked	100% edit and replace	100% edit and replace
Average number of units per roll	5,000	5,000	1,750
Core size with adaptor insert	6 in [152mm] with 3 in [76.2mm] adaptor	3 in [76.2mm]	3 in [76.2mm]
Maximum roll outer diameter [not to exceed]	13 in [330.2mm]	13 in [330.2mm]	7 in [177.7mm]
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.

Trademark Statement Avery Dennison, S490, Trans-Therm®, and Fasson® are trademarks of Avery Dennison Corporation. For the most recent information on Avery Dennison products, visit www.rfid.averydennison.com.

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