

# UHF RFID Inlays

## AD-380iL



**Dimensions:** 1.97 x 1.18 in [50 x 30 mm]

**Operating Frequency:** Global (860 - 960MHz)

**RF Protocol:** ISO-18000-6C, EPC Class 1 Gen 2

**Chip:** NXP UCODE G2iL

**EPC Memory:** 128 bit

**TID Memory:**

866-903- RFID (7343) / [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com)

**Common Applications:**

- Apparel and Retail
- Library, Media, Documents and Files
- Supply Chain, Inventory and Logistics

Part Number	600349	Contact Avery Dennison	600351
Format	Dry Inlay	Opaque Inlay	Wet (pressure- sensitive) Inlay
Antenna dimensions (CDxMD)	1.969 x 1.181 in [50 x 29.99 mm]	1.969 x 1.181 in [50 x 29.99 mm]	1.969 x 1.181 in [50 x 29.99 mm]
Die- cut dimensions	N/ A	2.126 x 1.339 in [54 x 34 mm]	2.126 x 1.339 in [54 x 34 mm]
Inlay substrate material	PET	PET	PET
Inlay- to- liner adhesive	N/ A	S-490 (Fasson)	S-490 (Fasson)
Liner material	N/ A	40# SCK (Fasson)	1.5M Clear PET
Face sheet	N/ A	Fasson Trans- Therm 2C	N/ A
Standard pitch	1.5 in [38.1 mm]	1.5 in [38.1 mm]	1.5 in [38.1mm]
Standard web width	2.75 in [69.85 mm]	2.284 in [50 mm]	2.284 in [50 mm]
Total thickness over chip	10-13 mils [254-330.2 microns]	15-17 mils [381-431.8 microns]	14-17 mils [356-431.8 microns]
Operating temperature	-40 to 185 F [-40 to 85 C]	-40 to 185 F [-40 to 85 C]	-40 to 185 F [-40 to 85 C]
RoHS	EU Directive 2011/65/ EU Compliant	EU Directive 2011/65/ EU Compliant	EU Directive 2011/65/ EU Compliant
Quality assurance	100% read tested with out- of- tolerance inlay marked	100% read tested with out- of- tolerance inlay marked	100% read tested with out- of- tolerance inlay marked
Un- wind direction	Inlay- side Out	Inlay- side Out	Inlay- side Out
Core size with adaptor insert	6 in with 3 in 152 mm x 76.2 mm adaptor	3 in [76.2 mm]	3 in [76.2 mm]
Maximum roll outer diameter (not to exceed)	13 in [330.2 mm]	7 in [177.7 mm]	13 in [330.2 mm]
Average # of units per roll	15,000	4000	10000
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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