AVERY DENNISON | RFID

UHF RFID Inlays

AD-180u7

Dimensions	1.024 in (26 mm) Diameter
Operating Frequency	Global (860 – 960 MHz)
RF Protocol	ISO-18000-6C, EPC Class 1, Gen 2
Chip	NXP UCODE 7
EPC Memory	128 bit
TID Memory	96 bit, pre-encoded for multi-vendor chip (MCS) based serialization

Common Applications
Apparel and Retail
Cosmetic

Toll free US 866-903- RFID (7343) / rfid.info@averydennison.com
International +1-770-965-0807

PART NUMBER	100311
Format	SmartFace Label (pressure sensitive)
Antenna dimensions (CDxMD)	1.024 in (26 mm) Diameter
Die-cut dimensions	1.152 in (29.25 mm) Diameter
Inlay substrate material	5 pt Integrity
Inlay-to-liner adhesive	S-490 (FASSON)
Liner material	40# SCK
Face Sheet	N/A
Standard pitch	2.0 in (50.8 mm)
Standard web width	1.402 in (35.6 mm)
Total thickness over chip	10-13 mils (254-330.2 microns)
Operating temperature	-40° to 185 °F (-40° to 85 °C)
RoHS	EU Directive 2011/65/EU Compliant
Quality assurance	100 % read tested with out-of-tolerance inlay marked
Un-wind direction	Inlay-side Out
Core size with adaptor insert	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	15.25 in (387.35 mm)
Average # of units per roll	6,000
Rev	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 and Fasson are trademarks of Avery Dennison Corporation. For the most recent information on Avery Dennison products, visit www.rfid.averydennison.com.