



RFID

UHF RFID Inlays

AD-456u8 FCC

Label Dimensions	64 x 6 mm
Operating Frequency	Global (860 – 960 MHz)
RF Protocol	ISO/IEC 18000-63 Type C
Chip	NXP UCODE 8
EPC Memory	128 bit
TID Memory	96-bit Tag Identifier (TID) factory locked 48-bit unique serial number factory-encoded into TID

Common Applications

Health & Beauty
Beverages and Snacks
Miscellaneous Item Level Consumables
On-Metal Applications

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PART NUMBER	RF100575
Format	Pressure Sensitive Label
Label dimensions (CDxMD)	2.52 x 0.236 in (64 x 6 mm)
Inlay substrate material	Clear PET
Inlay-to-liner adhesive	General Purpose Permanent
Liner material	40# SCK
Face Sheet	2 mil White PET
Standard pitch	1.0 in (25.4 mm)
Standard web width	2.702 in (68.64 mm)
Total thickness over chip	31.9 - 33.9 mils (810-861 microns)
Operating temperature	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2011/65/EU and 2015/863 Compliant
Quality assurance	100% read tested with out-of-tolerance inlay(s) being marked
Un-wind direction	Label-side Out
Core size with adaptor insert	3 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	8 in (203.2mm)
Average # of units per roll	1,300 good +/- 10%
Rev	01

Care and handling: RFID inlays are sensitive to ESD. Use standard industry practices relating to electronics/RFID to keep environmental impact and other electric/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 available at:
<http://rbis.averydennison.com/en/home/general-terms-and-conditions-of-sale.html>.

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