



RFID

UHF RFID Inlays

# AD-370u7 NEL



<b>Dimensions</b>	53 x 19 mm
<b>Operating Frequency</b>	Global (860 – 960 MHz)
<b>RF Protocol</b>	ISO/IEC 18000-63 Type C
<b>Chip</b>	NXP UCODE 7
<b>EPC Memory</b>	128 bit
<b>TID Memory</b>	96-bit Tag Identifier (TID) factory locked 48-bit unique serial number factory-encoded into TID

**Common Applications**Supply Chain, Inventory and Logistics  
Apparel & RetailToll free US 866-903- RFID (7343) / [rfid.info@averydennison.com](mailto:rfid.info@averydennison.com)  
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PART NUMBER	RF600425	RF600544	RF100251
Format	Dry Inlay	Wet Inlay	SmartFace™ Label
Antenna dimensions (CDxMD)	2.087 x 0.748 in (53 x 19 mm)	2.087 x 0.748 in (53 x 19 mm)	2.087 x 0.748 in (53 x 19 mm)
Die-cut dimensions	N/A	2.212 x 0.873 in (56.18 x 22.18 mm)	2.25 x 1.0 in (57.15 x 25.4 mm)
Inlay substrate material	PET	PET	5pt Integrity
Inlay-to-liner adhesive	N/A	General Purpose Permanent	General Purpose Permanent
Liner material	N/A	PET	40# Paper
Face Sheet	N/A	N/A	N/A
Standard pitch	2.5 in (63.5 mm)	2.5 in (63.5 mm)	2.75 in (69.85 mm)
Standard web width	1.25 in (31.75 mm)	1.25 in (31.75 mm)	1.2 in (30.48 mm)
Total thickness over chip	10.3---12.3 mils (261.62---312.42 microns)	11.8---13.8 mils (299.72---350.52 microns)	15.7---17.7 mils (398.78---449.58 microns)
Operating temperature	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)	-40 to 185F (-40 to 85C)
RoHS	EU Directive 2011/65/EU Compliant and 2015/863 Compliant	EU Directive 2011/65/EU Compliant and 2015/863 Compliant	EU Directive 2011/65/EU Compliant and 2015/863 Compliant
Quality assurance	100% read tested with out-of-tolerance inlay(s) being marked	100% read tested with out-of-tolerance inlay(s) being marked	100% read tested with out-of-tolerance inlay(s) being marked
Un-wind direction	Inlay-side Out	PS Inlay-side Out	Label-side Out
Core size with adaptor insert	3.0 in (76.2 mm)	3.0 in (76.2 mm)	3.0 in (76.2 mm)
Maximum roll outer diameter (not to exceed)	17.0 in (431.8 mm)	17.0 in (431.8 mm)	8 in (203.2 mm)
Average # of units per roll	12,500 good +/- 10%	11,000 good +/- 10%	1,769 +/- 10%
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**Care and handling:** RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics/RFID to keep environmental impact and 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.**Product Information:** Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.**Trademark statement:** Avery Dennison and SmartFace are trademarks of Avery Dennison Corporation. For the most recent information on Avery Dennison products, visit [www.rfid.averydennison.com](http://www.rfid.averydennison.com).