

# AD-370 U7 NEL

## Overview

---

**Frequency Band**

UHF 860 - 960 MHz

---

**Chip**

NXP UCODE 7

---

**Antenna Dimensions**

19 x 53 mm / 0.75 x 2.09 in

---

**International Standard**

ISO/IEC 18000-63 Type C

---

**Industry Segments**

Apparel  
Logistics

---

**Applications**

Home Essentials  
Supply Chain Management

---

**RoHS**

EU Directive 2011/65/EU and  
2015/863 Compliant

---



## Ideal for apparel and many other items

AD-370u7 NEL inlays from Avery Dennison are designed for tagging a broad range of retail items, particularly apparel. They are also well suited for applications related to supply chain, inventory and logistics.

Built for the UHF frequency band, the inlays features a 19 x 53 mm antenna with global broadband performance (860-930 MHz) for reliable operation on a broad range of surfaces and materials.

AD-370u7 inlays are equipped with the UCODE 7 ICs from NXP, featuring 128-bit of EPC memory and 96-bit TID memory, with a 48-bit unique serial number factory-encoded. The product is also available in wide-edge leading (WEL) format. Delivery formats include Dry Inlay, Wet Inlay and Pressure Sensitive Label.

Like all RFID products from Avery Dennison, AD-370u7 NEL inlays are manufactured according to the industry's highest quality standards, as confirmed by the RFID Lab at Auburn University: The inspection body awarded Avery Dennison its first comprehensive and significant ARC accreditation for quality.

## Technical features

Chip	NXP UCODE 7		
EPC and User Memory	128-bit and n/a		
TID Memory	96-bit / 48-bit unique serial number		
Product Code	RF600425 / IL-604396	RF600544 / IL-607581	RF100251 / IL-607435
Delivery Format	Dry inlay	Wet inlay	Label / sticker
Die-Cut Dimension	–	22 x 56 mm / 0.87 x 2.21 in	25 x 57 mm / 1 x 2.25 in
Inlay Substrate	PET	PET	5pt Integrity
Total Thickness	10 - 12 mils / 261 - 312 microns	12 - 14 mils / 300 - 350 microns	16 - 18 mils / 399 - 450 microns
Standard Pitch	63.5 mm / 2.5 in	63.5 mm / 2.5 in	69.85 mm / 2.75 in
Web Width	31.8 mm / 1 in	31.8 mm / 1 in	30.5 mm / 1 in
Core Size	76 mm / 3 in		
Quantity / Reel	12500 pcs/reel	11000 pcs/reel	1769 pcs/reel
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non-metal		
Certificates	ARC		

### Contact information

[rfid.averydennison.com/contact](http://rfid.averydennison.com/contact)  
+1-678-617-2359

Connect with us on:



© 2021 Avery Dennison Corp. All rights reserved. 170 Monarch Lane, Miamisburg, OH 45342, USA Third party trademarks and/or trade names used herein are the property of their respective owner(s). Some of the trademarks appear for identification purposes only.

**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](http://rfid.averydennison.com/termsandconditions)

**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. 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.

