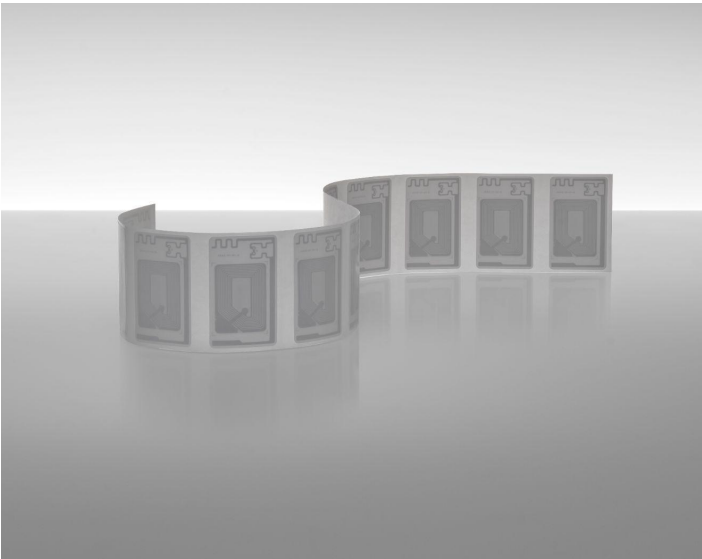


AD Enforce U9

Dual UHF + EAS Combo Label



AD Enforce U9 [ETCHED PET DCA] Dual UHF + EAS Combo Label was developed to expand Avery Dennison Smartrac’s Combotag portfolio, specifically focusing on optimizing size for greater application versatility. This unique dual-technology label incorporates a UHF RFID inlay and an Electronic Article Surveillance (EAS) tag into a single, compact die-cut label (65 x 40mm). The globally tuned design provides essential item-level tracking capabilities via UHF RFID, coupled with a secondary loss prevention functionality (EAS).

This combination is suitable for a wide range of retail products, including both Apparel and Household items. Furthermore, the inlay has been validated by the Auburn University ARC Program, passing Spec I.

Like all RFID products from Avery Dennison, AD Enforce U9 [ETCHED PET DCA] Dual UHF + EAS Combo Labels 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.

Overview

Frequency Band	UHF 860 - 960 MHz
Chip / Chip Attachment Technology	NXP UCODE 9 / Direct Chip Attach
Antenna Dimensions	62 x 37mm / 2.44 x 1.46 in
International Standard	ISO 18000-63, EPC Class 1 Gen 2
Industry Segments	Apparel
Applications	Apparel Household items
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

Technical features

Chip / Chip Attachment Technology	NXP UCODE 9 / Direct Chip Attach
EPC and User Memory	96-bit and n/a
TID Memory	96-bit / 48-bit unique serial number
Product Code	IL-613800
Delivery Format	Label
Die-Cut Dimensions	65 x 40 mm / 2.56 x 1.57 in
Die-Cut Corner Radius	-
Inlay Substrate	PET Clear
Face Sheet	Material
Adhesive	RA-5
Total Thickness (over chip and release liner)	14.48 mils / 368 microns
Standard Pitch	43 mm / 1.69 in
Web Width	68 mm / 2.67 in
Core Size	76 mm / 3 in
Quantity / Reel	2,000 pcs/reel
Size of Roll	Max OD 8"
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F
On-Metal	Non-Metal
ARC Certificates	ARC Specification Guide

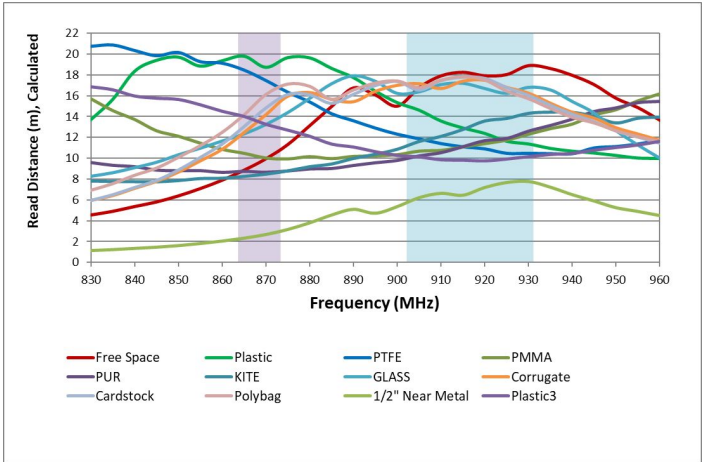
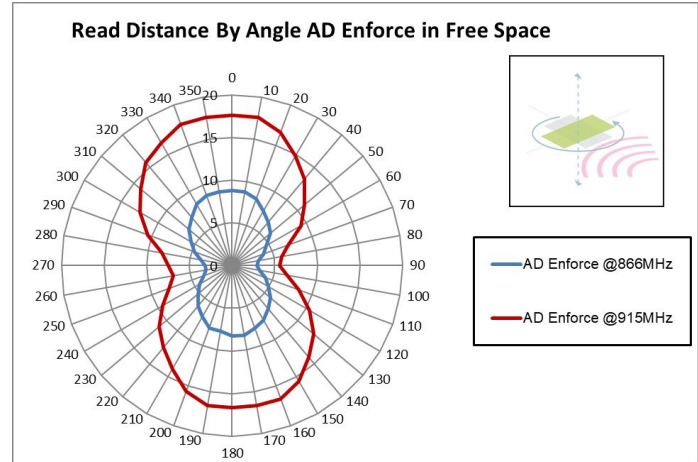
*Other product codes available upon request.

Technical features - EAS Component

EAS Label	NeDap NT4030/TRANSP/8KR
Size	40 x 30 mm / 1.57 x 1.18 in
Resonance Frequency	8.2 MHz $\pm$ 5%, Compatible with all 8.2 MHz EAS systems

Orientation sensitivity

Read range



All graphs are indicative: performance in real life applications may vary.

Find more label solutions at
rfid.averydennison.com



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