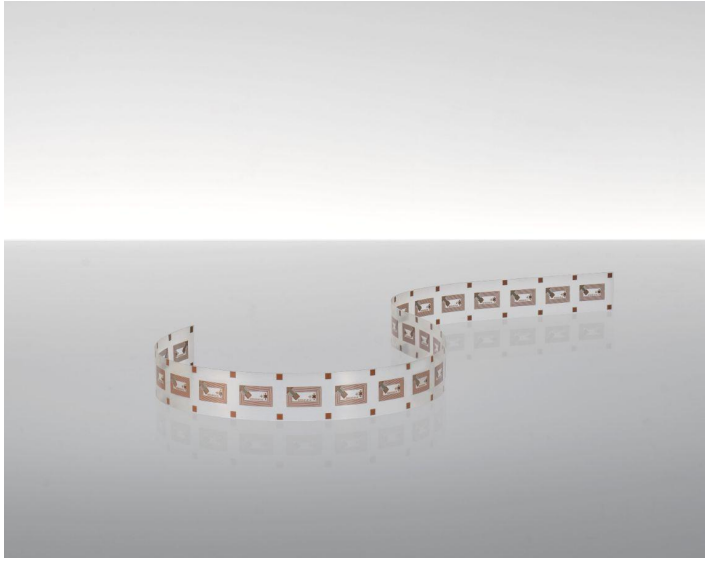
AD Midas ICODE 3

Elevating Luxury with Secure NFC Authentication and Seamless Product Interaction



AD Midas ICODE 3 is a premium inlay engineered for luxury brands that demand secure NFC authentication and high-performance tracking to support supply-chain visibility and in-store efficiency. Powered by the NXP ICODE 3 IC, it delivers consistent smartphone tap performance, making it ideal for consumer engagement, provenance verification, and product authentication. The inlay offers excellent read reliability across manufacturing, logistics, and retail environments, while its thin, durable construction ensures seamless integration into sleeve labels, textile components, and premium packaging.

The copper-based antenna design combined with the NXP ICODE 3 chip provides 2432 bits of user memory and supports a customizable digital originality signature for secure tag authentication and strong anti-cloning protection. Enhanced privacy features ensure user information is safeguarded throughout the product life cycle.

Operating at 13.56 MHz, the inlay enables robust read performance with both HF RFID infrastructure and NFC-enabled smartphones, supporting smooth operations across production, supply chain, and consumer usage phases. Fully compliant with ISO/IEC 15693 and NFC Forum Type 5 standards, AD Midas ICODE 3 is a versatile solution suitable for a wide range of applications.

As with all Avery Dennison RFID products, AD Midas ICODE 3 inlays are manufactured in accordance with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management standards, ensuring a high-quality, reliable, and sustainably produced solution that meets the stringent requirements of premium and luxury brand programs.

Overview

Frequency Band	NFC 13.56 MHz
Chip / Chip Attachment Technology	NXP ICODE 3 / Direct chip attach (DCA)
Antenna Dimensions	17 x 10 mm / 0.67 x 0.39 in
International Standard	ISO 15693
Industry Segments	Apparel Luxury goods Industry Retail
Applications	NFC Product authentication Supply chain tracking
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

AVERY DENNISON

Technical features

Chip / Chip Attachment Technology	NXP ICODE 3 / Direct chip attach (DCA)		
EPC and User Memory	2432-bit		
TID Memory	-		
Product Code	IL-613457	IL-613459	IL-613470
Delivery Format	RIF Dry inlay	RIF Wet inlay	Label / sticker
Die-Cut Dimensions	-	19 x 12 mm / 0.75 x 0.47 in	19 x 12 mm / 0.75 x 0.47 in
Die-Cut Corner Radius	-	1 mm / 0.039 in	1 mm / 0.039 in
Inlay Substrate	Clear PET	Clear PET	Clear PET
Face Sheet	Clear PET 12	Clear PET 12	Mid-gloss paper
Adhesive	-	RA-5	RA-5
Total Thickness (over chip and release liner)	8.74 mils / 222 microns	9.53 mils / 242 microns	13.03 mils / 331 microns
Standard Pitch	24 mm / 0.95 in	24 mm / 0.95 in	24 mm / 0.95 in
Web Width	24 mm / 0.95 in	24 mm / 0.95 in	24 mm / 0.95 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	5,000 pcs/reel	5,000 pcs/reel	5,000 pcs/reel
Size of Roll	Max OD 15"	Max OD 12"	Max OD 8"
Operating Temperature	-40 °C to 85 °C / -40 °F to 185 °F		
On-Metal	Non metal		
ARC Certificates	NA		

*Other product codes available upon request.

Find more label solutions at
rfid.averydennison.com

#MakingPossible

© 2026 Avery Dennison Corporation. All rights reserved. The "Making Possible" tagline, Avery Dennison and all other Avery Dennison brands, product names and codes are trademarks of Avery Dennison Corporation. All other brands or product names are trademarks of their respective owners. Fortune 500® is a trademark of Time, Inc. Branding and other information on any samples depicted are fictitious. Any resemblance to actual names is purely coincidental.