



Avery Dennison® NXP® UCODE® 9 ARC Certified Coated paper RFID UHF Label



SKU:	AD-BELT-U9
Chip Type:	NXP® UCODE® 9
Frequency:	UHF 860-960 MHz
EPC Memory:	96 bits
Protocol:	ISO/IEC 18000-63, EPCglobal Gen2v2.1
Read Range:	Up to 17.5m (ETSI standard) Up to 11m (FCC standard)
Industry:	Retail, Apparel and Fashion, Jewelry, Logistics
Applications:	Asset Tracking, Electronics, Jeweleries & Sunglasses, Gaming and Toys, Inventory, Warehouse

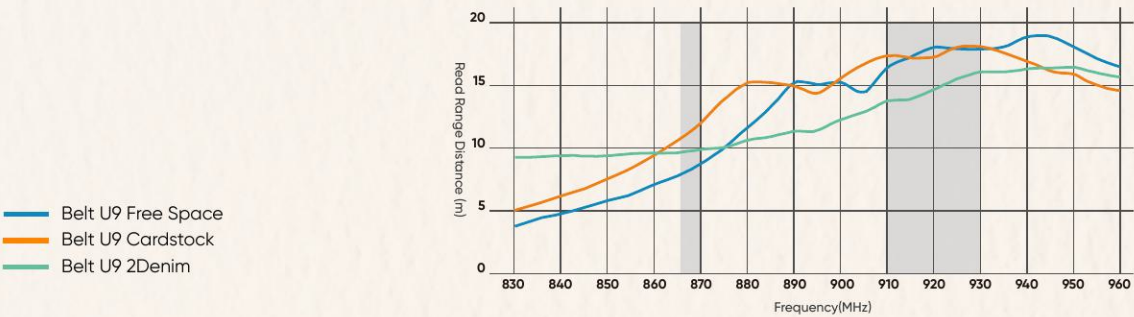


Retailers can leverage this ARC-certified RFID label to accurately capture apparel merchandise data while effectively preventing brand counterfeiting. The embedded RFID chip can be read by RFID readers, transmitting item information to back-end systems for real-time analysis, tracking, and storage.

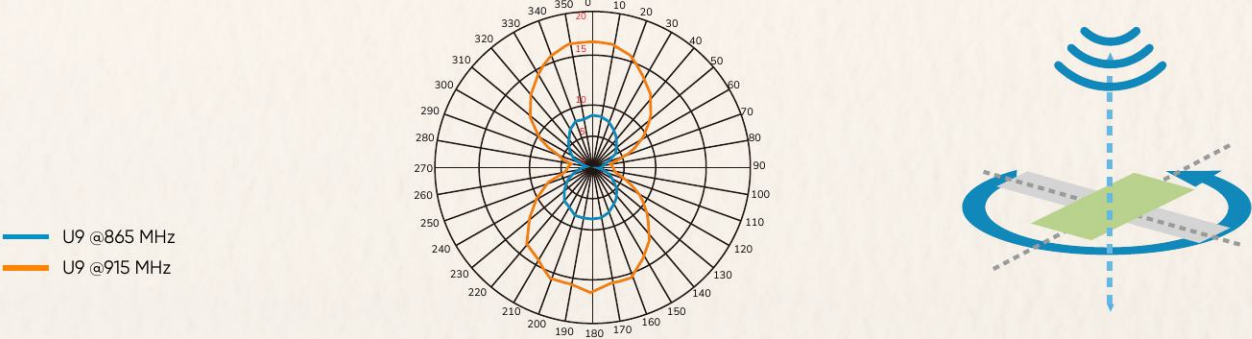
Compliant with EPCglobal Gen 2v2.1 and ISO/IEC 18000-63 standards, this label is designed for apparel, retail, and industrial applications, including supply chain management, home goods tracking, and brand protection. Most importantly, its ARC certification ensures compatibility with Walmart's RFID program, making it ideal for brands entering major retail channels.

Reading performance

Reading range under different frequency



Orientation Sensitivity



Physical Information

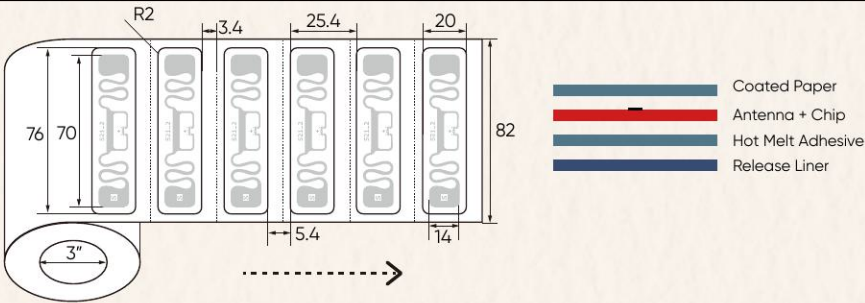
Material	Coated Paper
Size	76×20 mm
Operating Environment	-20°C~+50°C, 20%~80% RH
Storage Environment	+18°C~+28°C, 40%~60% RH
Mounting Method	Paper Carton, Plastic, Wood
Surface	Stick
ARC Specs	F, I, L, Q, R, W5, W6, Y2, Z
Handling Precautions	1. Do not bend. 2. Keep away from water and collision. 3. Labels with black-dot marks are bad ones, do not use.

Technical Information

Operating Frequency	UHF 860-960 MHz
Communication Protocol	ISO/IEC 18000-63, EPCglobal Gen2v2.1
Read Range	Up to 17.5m (ETSI standard) Up to 11m (FCC standard)
Chip Type	NXP® UCODE® 9
EPC Memory	96 bits
Security Features	32 bits kill password

Packing Information	Packing Format	Packed in roll, vacuummed packing in ESD bag.
	Roll OD	Max. 120 mm
	Core ID	3 inch/76.2 ± 0.50mm
	Packing Quantity	2500 Pcs/roll, per roll 1.25 kg

Label Dimensions
(Unit: mm)



● **Performance and Illustrations:** Graphs and visuals are for reference only; actual product performance may vary depending on usage and environment.
 ● **Storage and Handling Guidelines:** Follow standard ESD-safe storage and handling procedures to maintain product integrity and avoid damage.
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