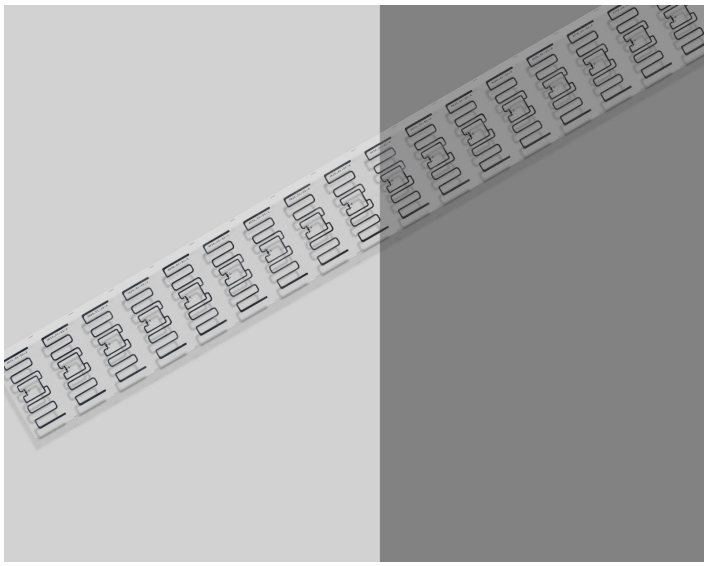
AD Glow U9

Auburn University ARC Certified for General Retail Spec C2



Avery Dennison's debut inlay for our C2 portfolio, AD Glow U9, is designed to meet Auburn University's C2 general retail specification. This inlay offers excellent global performance and is ideal for a wide range of retail applications, including decor, hardware, candles, and other home goods, as well as cosmetics. Its compact 44.45 x 19.05 mm (1.75 x 0.75 in) die-cut footprint makes it perfect for use on smaller retail items.

Featuring the NXP UCODE 9, AD Glow U9 is equipped with 96-bit of EPC memory and 96-bit unique factory locked TID number. A 48-bit unique serial number is factory-encoded into the TID. Furthermore, it offers a self adjust feature to maximize product performance in challenging environments. AD Glow U9 carries a 42.5 x 17 mm (1.67 x 0.67 in) antenna footprint and is offered in dry inlay, wet inlay and pressure sensitive label delivery formats.

Like all RFID products from Avery Dennison, AD Glow U9 inlays are compliant with ISO 9001:2015 Quality Management and ISO 14001:2015 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment. The RFID Lab at Auburn University has 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	42.5 x 17 mm / 1.67 x 0.67 in
International Standard	ISO/IEC 18000-63 Type C
Industry Segments	General Retail Beauty
Applications	Inventory and Logistics Supply Chain Management Retail
RoHS	EU Directive 2011/65/EU and Directive (EU) 2015/863
REACH	Regulation (EC) No. 1907/2006

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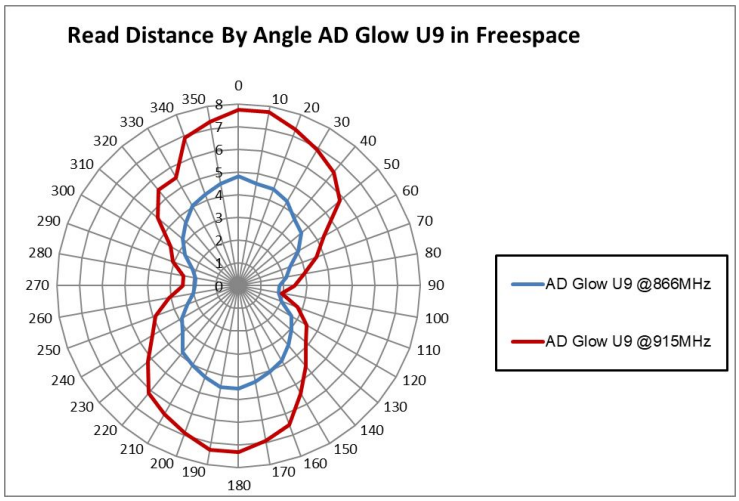
Technical features

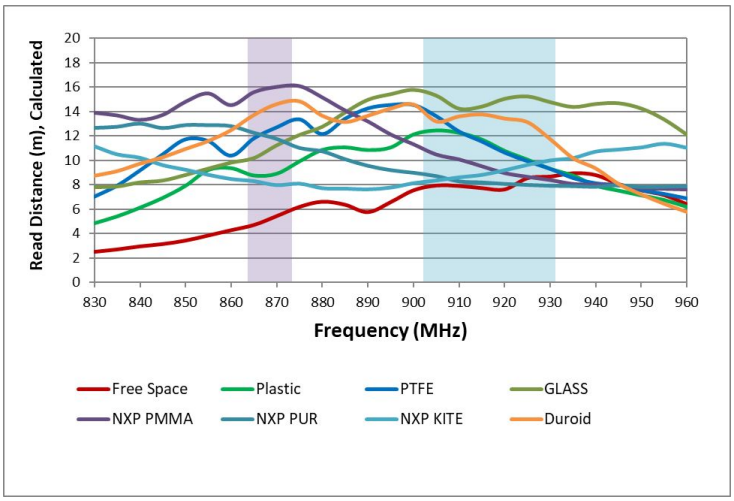
Chip / Chip Attachment Technology	NXP UCODE 9 / Direct Chip Attach						
EPC and User Memory	96-bit and 0-bit						
TID Memory	96-bit / 48-bit unique serial number						
Product Code	IL-613317	IL-612879	IL-613318	IL-612885	IL-613311	IL-612891	IL-612892
Delivery Format	Dry inlay	Dry inlay	Wet Inlay	Wet Inlay	Label	Label	Label
Die-Cut Dimensions	-	-	44.45 x 19.05 mm / 1.75 x 0.75 in	44.45 x 19.05 mm / 1.75 x 0.75 in	44.45 x 19.05 mm / 1.75 x 0.75 in	44.45 x 19.05 mm / 1.75 x 0.75 in	44.45 x 19.05 mm / 1.75 x 0.75 in
Die-Cut Corner Radius	-	-	1.59 mm / 0.063 in	1.59 mm / 0.063 in	1.59 mm / 0.063 in	1.59 mm / 0.063 in	1.59 mm / 0.063 in
Inlay Substrate	PET Clear	PET Clear	PET Clear	PET Clear	PET Clear	PET Clear	PET Clear
Face Sheet	-	-	-	-	Mid-gloss paper	Mid-gloss paper	Mid-gloss paper
Adhesive	-	-	RA-40	RA-5	RA-40	RA-5	RA-5
Total Thickness (over chip and release liner)	6.34 - 7.76 mils / 161 - 197 microns	6.34 - 7.76 mils / 161 - 197 microns	7.05 - 8.62 mils / 179 - 219 microns	7.05 - 8.62 mils / 179 - 219 microns	9.53 - 11.65 mils / 242 - 296 microns	9.53 - 11.65 mils / 242 - 296 microns	9.53 - 11.65 mils / 242 - 296 microns
Standard Pitch	21 mm / 0.827 in	25.4 mm / 1 in	21 mm / 0.827 in	25.4 mm / 1 in	25.4 mm / 1 in	25.4 mm / 1 in	31.75 mm / 1.25 in
Web Width	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in	50.8 mm / 2 in
Core Size	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in	76 mm / 3 in
Quantity / Reel	TBD pcs/reel	TBD pcs/reel	TBD pcs/reel	TBD pcs/reel	TBD pcs/reel	TBD pcs/reel	TBD pcs/reel
Size of Roll	MAX OD: 15.5”	MAX OD: 15.5”	MAX OD: 13”	MAX OD: 13”	MAX OD: 9”	MAX OD: 8”	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.

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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