



## DESCRIPTION

Inlays and labels are made using Smartrc Dogbone dry inlays, specially designed for global supply chain, industrial, RTI applications & windshield labels. They offer superior tamper-evident features and have excellent performance in demanding environments across materials.

Inlays and tags have a good tolerance to the detuning effect of high dielectric materials, providing effective performance even on difficult-to-tag materials.

They are available with the NXP UCODE G2iM chip that offers 256 bits of EPC memory. The inlay is size-optimized for 100 mm/4 inch wide converted labels and are available in dry, wet, and label/sticker delivery formats.

Specification	
<b>PHYSICAL CHARACTERISTICS</b>	
Inlay size	97 X 27 mm
Label size	100X50, 100X30 mm
Adhesive	Acrylic
Delivery format	Reel
No. of labels/Reel	5,000 pcs /reel
Pitch	30 mm / 1.181 in
Core Inner diameter	76 mm / 3 in
Available face material	PET/Paper
<b>ENVIRONMENTAL RESISTANCES</b>	
Operating temp.	-40 °C to 85 °C -40 °F to 185 °F
Relative humidity	5-95% Non-Condensing
UV Resistant	No
<b>PERSONALIZATION OPTIONS</b>	
Encoding	Possible
Customized printing	Possible
<b>RFID SPECIFICATIONS</b>	
Operating mode	Passive
Frequency Band	UHF 860 - 960 MHz
RF protocol	ISO 18000-6C, EPC Class 1 Gen 2
IC	NXP UCODE G2iM
Functionality	Read/Write
EPC memory	256 bits/ up to 448 bit
TID memory	96 bit
User memory	640 bit
Web Width	100 mm / 3.937 in
Access password	32 bit
Kill password	32 bit
Write cycle endurance	2,00,000 cycles
Read range	up to 15 meters
Tamper proof	Security cut/TE
RoHs	EU Directive 2011/65/EC and Directive (EU) 2015/863