UPM Belt

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Protocol
EPC Class 1 Gen 2
ISO 18000-6C

Operating frequency
Global 860–960 MHz

Antenna size
70 x 14 mm /
2.7 x 0.6 inch

Belt key features
- Global, high performance, especially in SCM and item level applications.
- University of Arkansas approved.
- 3" compact form factor.
- 128 bit EPC, Serialized TID.

UPM RFID

UPM Belt

EPCglobal

RoHS

CE

Antenna dimensions

Antenna size	69,8 x 14 mm / 2.75 x 0.55"
Die-cut size	73 x 17 mm / 2.87 x 0.67"
Web width	80 mm / 3.15"

Electrical specifications

IC	Impinj Monza 5
EPC memory	128 bit EPC
Operating frequency	860–960 MHz

General characteristics of inlay

|	
Operating temperature	-40 °C to 85 °C -40 °F to 185 °F
Bending diameter (D)	> 50 mm tension max. 10 N
Static pressure (P)	<10 MPa

Delivery formats

Available formats	Dry, wet, tag
Adhesive – temperature	Solvent-free permanent adhesive min. -20 °C to 80 °C min. -4 °F to 176 °F
Quality	100% performance tested

Reel details

Standard reel size	15,000 dry & wet inlays 5,000 tags
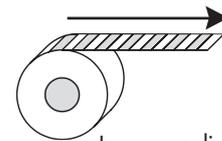
Inner core diameter 76 mm / 3 inch
Reel diameter < 305 mm / 12 inch

Read range

Orientation sensitivity

Test set-up
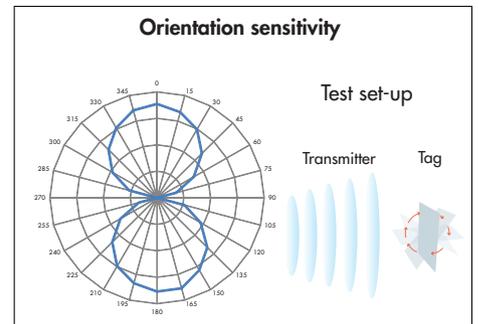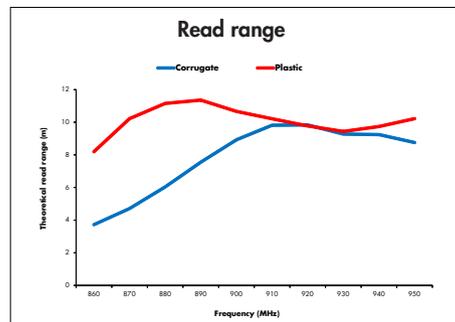
All the graphs are indicative: performance in real life applications may vary. The data has been determined based on calculations for transmitters with a 2W ERP output power level.

UPM RFID uses three different test methods to evaluate the reliability of the RFID inlay and tag products it produces. Products are tested according to IEC 60068-2-67 (temperature and humidity), JESD22-A104-B (temperature cycling) and an in-house developed bending test.

Disclaimer
UPM RFID reserves the right to change its products and services at any time without notice. Our recommendations are based on our latest knowledge and experience. As our products are used in circumstances beyond our control, we cannot be held liable for any damage caused through their use.

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