

RTI MANAGEMENT LABELS

RE-LOAD PRO 4620



Returnable plastic container label with small label application footprint. High temperature chemical washing resistant.

PHYSICAL SPECIFICATION

Face Stock

Printable white PET, resin ribbon is recommended

Label Sizes

46 x 20 x 0.2 mm | 1.81" x 0.78" x 0.01"

Adhesive

High performance acrylic adhesive provides high bond to most surfaces, including low surface energy plastics

Delivery Format

2000 pcs on reel

Label Pitch

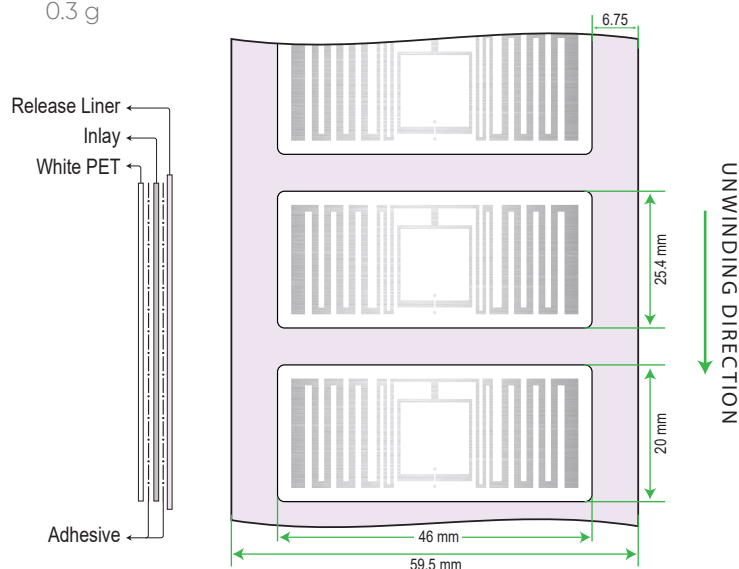
25.4 mm / 1"

Core Inner Diameter

76 mm / 3"

Weight

0.3 g



RF SPECIFICATION

Air interface protocol

EPC Global Class 1 Gen2 ISO 18000-6C

Operational frequency

Global 865-928 MHz

IC type*

NXP UCODE 9xe

Memory configuration

EPC 128bit; TID 96bit

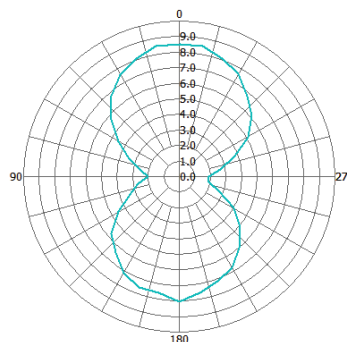
Read range (2W ERP)**

On Plastic Up to 9m/ 29.52ft | On Cardboard Up to 10m/ 32.8ft

Applicable Surface Materials

Non-metallic surfaces

RADIATION PATTERN



ENVIRONMENTAL RESISTANCE

Operating Temperature

-35°C to +80°C / -31°F to +176°F

Adhesive Service Temperature

-30°C to +80°C / -22°F to +176°F

Application Temperature

+10°C to +38°C / 50°F to +100.4°F

IP Classification

IP68, tested for 5 hours in 1m deep water

Washing Resistance

Tolerates industrial washing processes. Tested with water at 60° angle, 80-100 bar, at 80°C. Water flow rate 14-16 l/min.

Chemical Resistance

No physical or performance changes in:

- 168 h Salt water (salinity 10%) exposure
- 168 h Sulphuric acid (10%, pH2) exposure
- 168 h Motor oil exposure
- 24 h NaOH (10%) exposure
- 30 min Acetone exposure

Ideal Storage Condition

+22°C / 50% RH; 1 year

Expected Lifetime

Years in normal operating conditions

PERSONALISATION OPTIONS

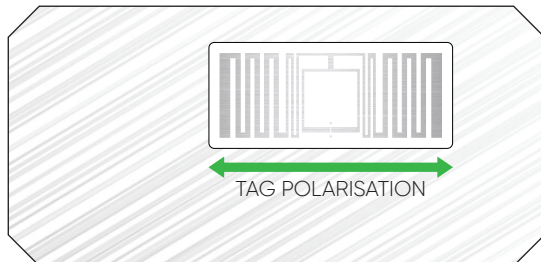
Pre-encoding

- Customer specific encoding of EPC memory

Customised Printing

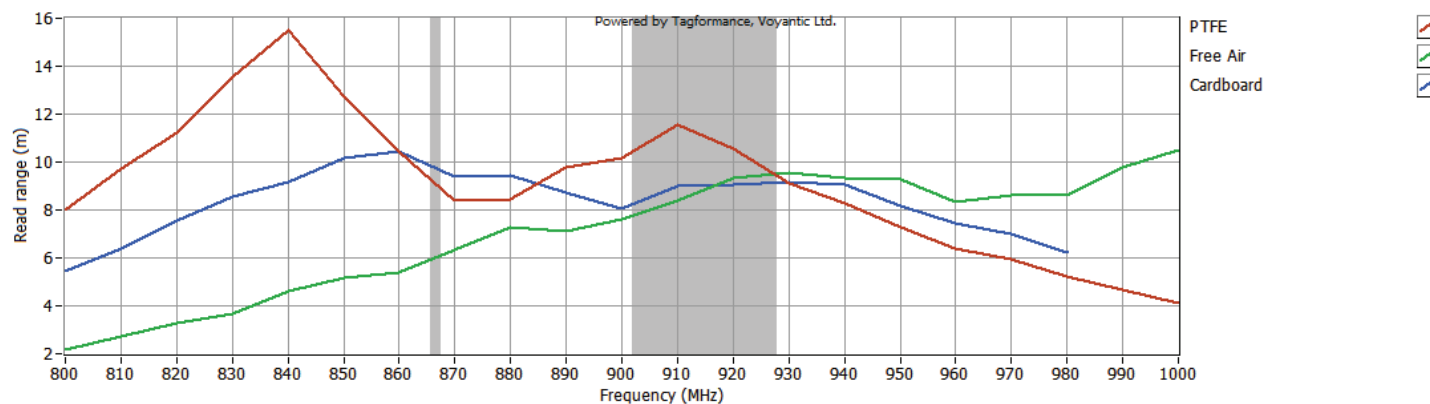
- Customer specific artwork including logo & text, numbers, barcodes etc.
- Offers optional transparent over laminate film to protect printed matter.

PRODUCT INSTALLATION



- Ensure the application surface is not uneven and is clean and dry, to obtain maximum bond strength. If required, use approved cleaning solvents to clean surface.
- Avoid touching the backside of the label while mounting it.
- Minimum bending diameter of the label is 50mm, Do not bend the label below the limit.

READ RANGE GRAPH



PRINTER COMPATABILITY

Compatible for printing and encoding using 4" & 6" wide industrial grade thermal transfer UHF printers. Sensor type: Gap

As tested on Zebra ZT400 series, SATO CL4 NX series Printronix T6000 series

For setup instructions and printer configurations contact iotsales@sivagroup.co

ORDER INFORMATION

Part Number

RF.RLP.4620.U9xe

Packaging

2000 Tags/Roll;

4 Rolls/Carton

* Other IC's available on request

** The indicated read range values are measured in our laboratory testing environment, where antennas with optimum directivity are used with maximum allowed operating power. Different surface materials and environments may exhibit different results.