

# PRODUCT DATASHEET

## Confidex Pulp bale label

Special label for pulp bale tagging applications. The label material composition is such that it can be left on the pulp bale for further processing.

Product is compliant with:

- Directives 80/590/EEC and 89/109/EEC
- FDA 21 CFR Ch. 1 § 176.170 (April 2018 Edition)

### ELECTRICAL SPECIFICATION

#### Device Type

RAIN RFID / EPCglobal Gen2v2

#### Operational frequency

Global 865-928MHz

#### IC type

Impinj Monza R6™

#### Memory configuration

EPC 96 bit; TID 96 bit with 48 bit serial number

#### EPC memory content

Unique number encoded as a default

#### Read range (2W ERP)\*

On Pulp bale minimum of 4 m

#### Applicable surface materials\*

Pulp bale

\* Read ranges are theoretical values that are calculated for non-reflective environment, in where antennas with optimum directivity are used with maximum allowed operating power according to ETSI EN 302 208 (2W ERP). EU = 865 - 868 MHz, US = 902 - 928 MHz. Different surface materials may have an effect on performance.

### MECHANICAL SPECIFICATION

#### Label materials

Optical Brightening Agent (OBA) free face paper

#### Background adhesive

Water soluble adhesive

#### Weight

1 g

#### Delivery format

6000 pcs +/- 500 pcs, 1 m empty liner in the end and beginning of the reel

#### Pitch on reel

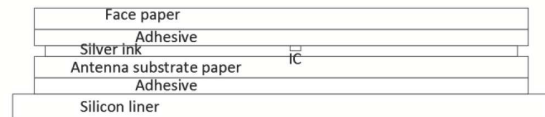
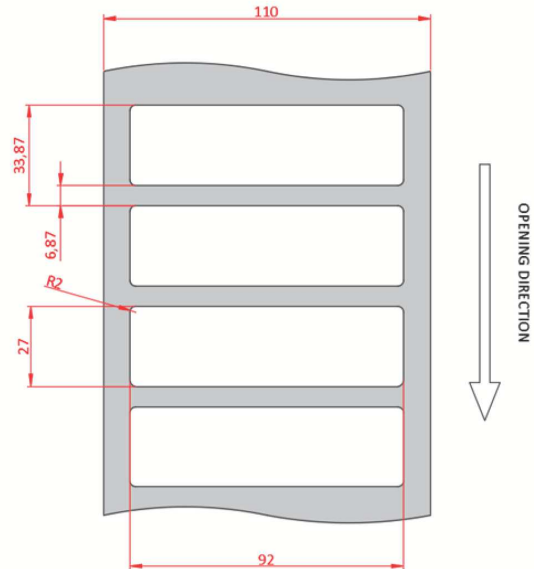
33,87 mm / 1,333"

#### Reel core inner diameter

76mm/3"

#### Dimensions

92 mm x 27 mm/3.62" x 1.06"



### ENVIRONMENTAL RESISTANCE

#### Operating temperature

0°C to +30°C

#### Ambient temperature

-30°C to +55°C

#### Storage condition

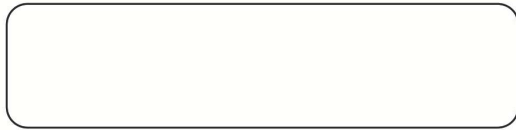
6 months shelf life at +20°C / 45% RH with original package (plastic sealed)

#### Additional notes

Label is sensitive to environmental humidity. It may curl or become detached from liner if exposed to environmental humidity changes. It is recommended to use plastic sealed packages in storage. Label standing still time on applicator is maximum 2 hours.

*Values in the table are the best recommendations; resistance against environmental conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. Contact Confidex for more specific information.*

## INSTALLATION INSTRUCTIONS



Ideal installation conditions are +20°C (+68°F) / 45% RH. For exceptional conditions, please contact Confidex. Adhesive of the label will provide best adhesion in 24 hours after the installation. Bond strength can be improved with firm application pressure. Always clean and dry the surface for obtaining the maximum bond strength. Avoid touching the background adhesive.

Label antenna parts should not be in contact with metal to enable best performance of the label. Note that metallized UV-protection films have strong effect on RFID performance.

Minimum bending diameter of label is defined to be 50mm. Do not bend the label above the limit. Never touch on the location of the IC. IC chip is sensitive electrical component and can be damaged if unexpected pressure is applied on the chip.

## ORDER INFORMATION

**Product number:** 3002848

**Product name:** Confidex Pulp bale label

For other versions, additional information and technical support contact Confidex Ltd.

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