Product Datasheet

BEONTAG SETTER M830 PP LABEL

Description

Disposable high performing label for supply chain and logistics applications.

Electrical specifications

Device type
RAIN RFID / EPCglobal UHF Gen2v2

Operational frequency
Global 865-928MHz

IC type
Impinj M830

Memory configuration
EPC 128bit; TID 96bit

EPC Memory content
Unique random 96bit EPC

Read range (2W ERP)*
On plastic up to 15m / 49ft
On cardboard up to 21m / 69ft

Applicable surface materials
Non-metallic

*Read ranges are theoretical values that are calculated for non-reflective environment. Different surface materials may influence performance.

Personalization options

Pre-encoding
Customer-specific encoding of EPC memory. Locking permanently or with password.

Visual marking
Customer-specific layout including logo, text, numbers, barcodes etc.

Mechanical specifications

Tag materials
Printable white synthetic face layer, resin ribbon recommended.

Background adhesive
Permanent adhesive for general purpose use.

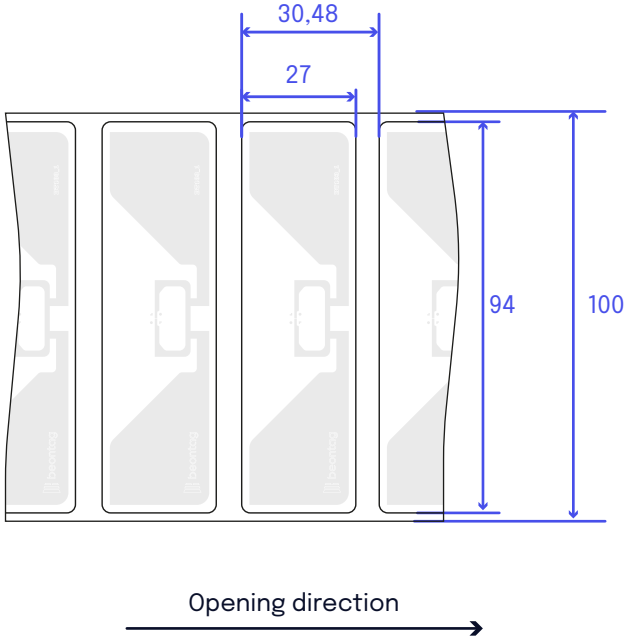
Weight
<1g

Delivery format
3500 pcs on reel

Pitch on reel
30.48mm / 1.2

Reel core inner diameter
76 mm / 3”

Tag dimensions
94 x 27 x 0.2 mm
3.70 x 1.06 x 0.01 in



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Environmental resistance

Operating temperature
-40˚C to +85˚C / -40˚F to +185˚F.

Water resistance
IP68, tested 5 hours in 1m deep water

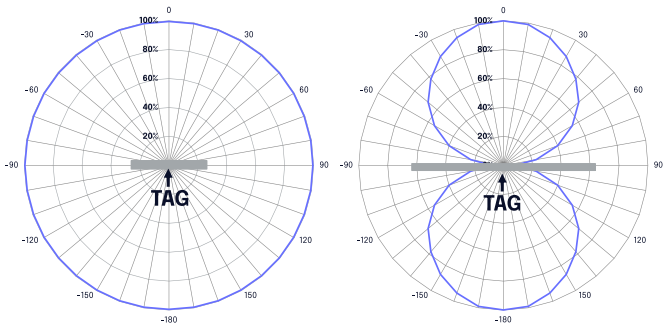
Chemical resistance
No physical or performance changes in:
-168h Sulfuric acid (10%, pH 2) exposure
-168h Motor oil exposure
-24h Salt water (salinity 10%) exposure
-2h NaOH (10%, pH 13) exposure
-30min Acetone exposure.

Storage condition
1 year in +20˚C / 50% RH (shelf life for adhesive)

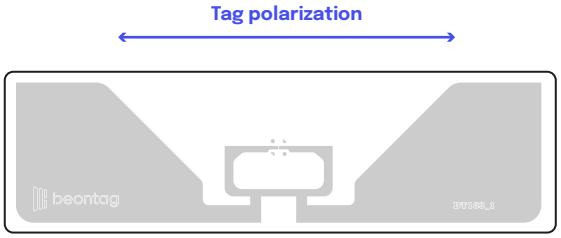
Expected lifetime
Years in normal operating conditions

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 Beontag for more specific information.

Radiation pattern



Installation instructions



Most recommended location for the Beontag Setter label is in a position, where the structure of the identified item provides protection against mechanical stresses.

Ideal installation conditions are +20˚C (+68˚F) / 50% RH. For exceptional conditions, please contact Beontag. Bond strength can be improved with firm application pressure. Always ensure clean surface for obtaining the maximum bond strength.

During attachment to the identified item, please avoid touching the background adhesive. If the location on the asset needs to be changed, please use a new tag instead of re-placing the used one; the adhesion will suffer from the re-placement.

Minimum bending diameter of the Beontag Setter is defined to be 50mm. Do not bend the label below 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 informations

Product number: **3005584**
Product Name: **Setter M830 - PP Label**

For other versions, additional information and technical support please contact Beontag.

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About Beontag

From the science of graphic and label materials, RFID and wireless IoT enablers, we create solutions across the value chain to deliver digital transformation for businesses around the world.

Sustainability is at the core of what we do and we strongly believe that by substituting non-renewable materials and innovating through more sustainable and renewable products, we act as an ESG enabler for our customers' value chain.

Beontag is one of the world's leading providers of RFID and wireless IoT solutions, being present in more than 40 countries with 7 R&D centers and 2,000 employees, in constant development of technological and sustainable solutions designed to connect items, and gain efficiency and end-to-end traceability

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CONTACT US FOR MORE INFORMATIONS:
beontag.com

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