



ECO RFID  
Tag Technology  
by Beontag

## A plastic-free tag for industrial application

ECO Bumper is FSC paper-based and a perfect choice for demanding applications. It offers best-in-class performance, reliability and a flexible structure. It is designed and optimized for the global industry and supply chain applications.

### ANTENNA DIMENSIONS

94X24 mm



APPAREL



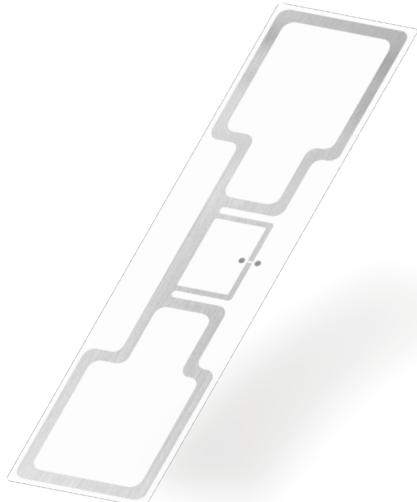
SUPPLY CHAIN  
MANAGEMENT



RAIN RFID TAG

ECO Bumper

# ECO Bumper key features



ECO Bumper in 65%  
of its natural size

## High performance for demanding applications.

ECO Bumper is ideal for demanding logistics and supply chain applications. It performs exceptionally well on a wide range of dielectrics, even in challenging environments, and offers the reliability required for high-grade automation and efficiency.

## A reliable choice

ECO Bumper passes industry standard tests for temperature and humidity (IEC 60068-2-67), temperature cycling (JESD22-A104-B) and tag bending. These comprehensive tests ensure that ECO Bumper will perform well at all stages of its life cycle and can be used safely to track items from source to point of sale.

## Global tag for global operations

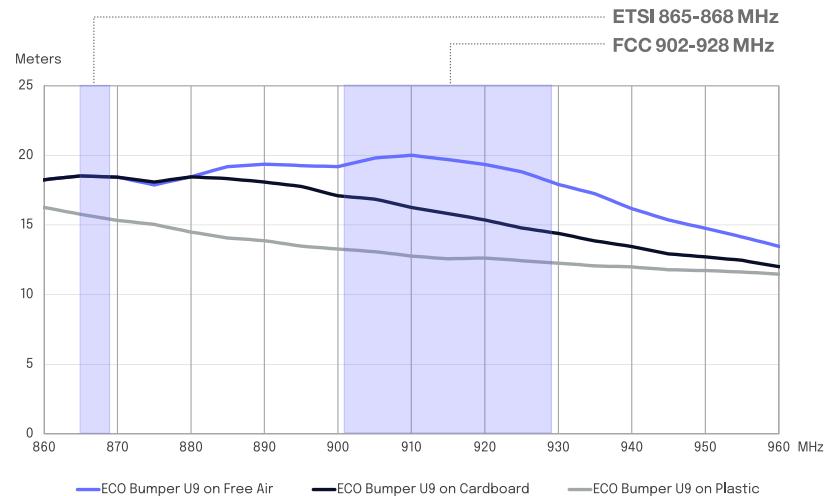
ECO Bumper is the ideal choice for global operations, as it is compliant with current frequency regulations. Embedding ECO Bumper into packaging or converting ECO Bumper into stickers is easy. The delivery format is a 1-layer paper tag without the extra polyester layer found in all traditional etched inlays.

## Technical details

PRODUCT	ECO Bumper UCODE 9
Sales Code	3004381
IC+ & electrical details	96 bit EPC 860-960 MHz EPC Gen2v2.1, ISO 18 000-63
Size (paper tag)	97 x 27 mm
Web width	100 mm
Delivery details	76 mm core 4000 pcs/reel 1 year shelf life in +20°C, 50%RH

\*U8 and U9xe IC versions also available on special request

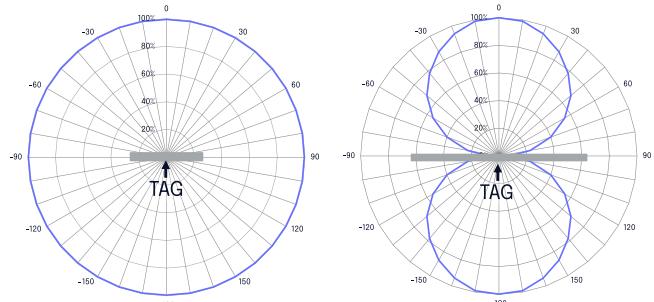
## Theoretical read range forward



## Suitable Use Cases

ECO tags are made with a sustainable paper-based substrate, which has limitations in durability. They are tested to withstand standard converting and label applicator processes, as well as indoor retail and logistics environments. Compared to PET-based tags, paper-based ECO tags are more sensitive to high humidity and are not suitable for applications involving heavy wrinkling. For more information, please contact Beontag.

## Orientation Sensitivity in air



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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

**CONTACT US FOR  
MORE INFORMATIONS:  
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