



ECO RFID
Tag Technology
by Beontag

Microwave-Safe, Recyclable RFID Tags with TÜV Certification

The ECO Meal U8 is specifically designed for microwave use with ready-made meals. Unlike traditional RFID tags, ECO Meal do not need to be removed from the food package prior to microwave heating, and the tags can be recycled in paper recycling.

ECO Meal is compliant with TÜV Rheinland certification standard and can withstand 5 minutes microwave cook time with 950W power.

ANTENNA DIMENSIONS 94X10 mm



**MICROWAVE
SAFE**



**ASSET
TRACKING**



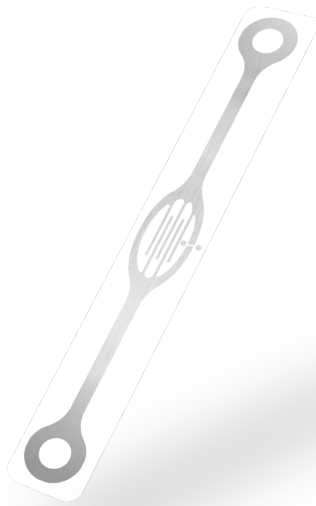
**SUPPLY CHAIN
MANAGEMENT**



RAIN RFID TAG

ECO Meal U8

ECO Meal U8 key features



ECO Meal in 1:1 scale

Special microwave resistant ECO tag for food packages

The ECO Meal tag is specifically designed for microwave use with ready-made meals. Ensure that ECO Meal RFID tag is attached directly in the actual food package, and that there is enough foodstuff next to the tag inside the package. There must not be air gap between the package containing food and the tag.

Microwave resistance

5min <950W
4min 1200W
2min 1800W

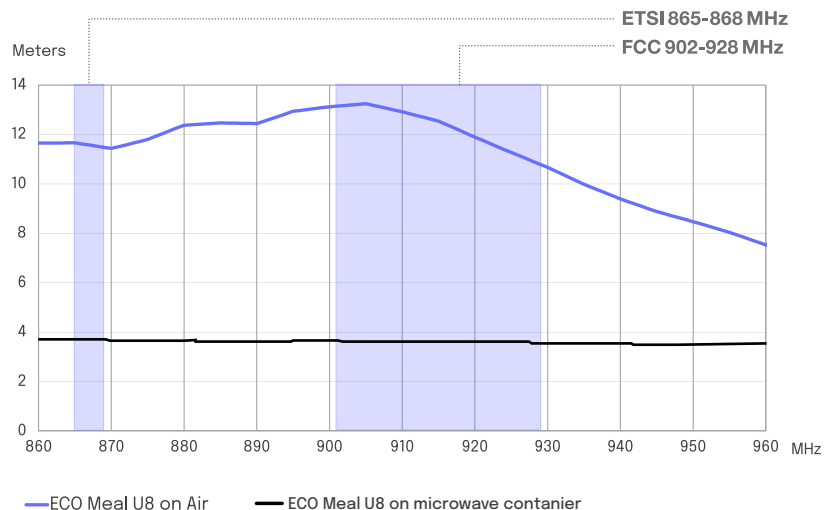
A reliable choice

ECO Meal 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 Meal will perform well at all stages of its life cycle and can be used safely to track items from source to point of sale.

Technical details

PRODUCT	ECO MEAL UCODE 8
Sales Code	3004544
IC & electrical details	128 bit EPC 860-960 Mhz EPC Gen2v2, ISO 18 000-63
Size (paper tag)	97 x 13 mm
Web width	100 mm
Delivery details	76 mm core 5000 pcs/reel 1 year shelf life in +20°C, 50%RH

Theoretical read range forward



About Beontag

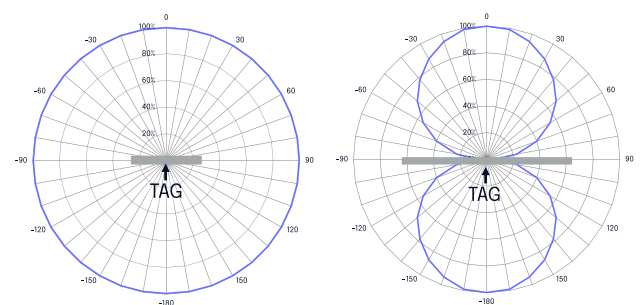
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Beontag's business is underpinned by modern manufacturing facilities, strategic investments, R&D, and a range of highly qualified teams. Furthermore, the multinational is fully committed to enabling positive impacts across the entire value chain. As a member of the UN Global Compact since 2021, Beontag offers its customers a series of increasingly sustainable products while also working towards a diverse and equitable work environment.

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Orientation Sensivity in air



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