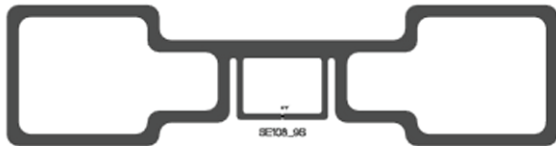




Stora Enso ECO Rack RFID Inlay

General Purpose, Eco-Friendly, Zebra-Certified RFID Inlay

RFID inlays are critical to achieve the real-time visibility needed to streamline operations, minimize errors in asset-related data, as well as track, identify, and maximize asset utilization. Zebra Certified Inlays deliver excellent performance, so you can rest assured that they will efficiently and effectively encode and read, leading to a higher application ROI and best in-class user experience. The Stora Enso ECO Rack inlay is an environmentally friendly general-purpose inlay that offers excellent performance for standard RFID applications. This general-purpose paper inlay utilizes paper instead of a PET film, resulting in a thin, flexible tag structure, enabling these tags to adhere well to curved surfaces. The use of the fiber-based paper makes the inlay recyclable with other fiber-based material and has no impact on existing waste streams or recycling processes. Plus the Stora Enso ECO Rack inlay was tested for optimal performance with Zebra printers and RFID readers, enabling you to maximize the benefits of RFID in your enterprise.



Environmentally Friendly Inlay

Most inlays utilize a PET film, making them non-recyclable. By utilizing a fiber-based paper substrate, the Stora Enso ECO Rack inlay is a thinner, eco-friendly tag that can be recycled with any other fiber-based materials. Plus, it has no impact to existing waste streams.

Destructible Inlay

Since it utilizes a paper film, the Stora Enso ECO Rack inlay easily destructs when removal is attempted, making the tag tamper-evident and enabling data integrity.

High Sensitivity for Longer Read Ranges

Designed with a high sensitivity NXP UCODE 8 chipset, Stora Enso Eco Rack inlays deliver read ranges up to 14 m in free space.

Zebra Certified for Consistently Exceptional Performance

Zebra is ISO 9001 certified and uses quality processes to reduce instances of unsuccessful encoding. We pre-test labels with Zebra readers and printers to ensure industry-leading performance. Lastly, we use the same label material from order-to-order to safeguard consistency and quality.

Custom RFID Labeling Solutions

With our state-of-the-art presses and RFID manufacturing equipment, we can create a customized RFID labeling solution to meet the unique requirements of your application. We can quickly recommend the optimal label material and inlay to achieve maximum ROI.

Unmatched Expertise in RFID

Zebra is your trusted expert in all things RFID. We offer end-to-end RFID solutions – including pre-tested RFID supplies made with the right materials and adhesives, along with the highest-performing inlays and chips – customized for your application. We have played a central role in pioneering RFID technologies and defining global standards since the mid-1990's, when smart-label technology first appeared. We were recognized as the #1 RFID brand by the 2018 RFID Journal's Brand Report, and we hold more than 575 RFID patents and numerous industry firsts in RFID.



Maximize the benefits of RFID in your enterprise with the environmentally friendly Stora Enso Rack Inlay.

For more information, please visit www.zebra.com/rfidlabels

Specifications

Technical Information

Chip	NXP UCODE 8
EPC Memory	128-bit
User Memory	N/A
TID	96 bit factory locked (48 bit unique)
Read Sensitivity	-23 dBm
Write Sensitivity	-18 dBm
RFID Standards	EPC Gen2v2
Read Range	Up to 14 m in free space

Theoretical Read Range: ETSI (865-868 MHz)*

Air	12 m
Cardboard	12 m
Fiberglass	12 m
Glass	9 m
PTFE	13 m
Polyacetyl	10 m
PVC	11 m
Rubber	10 m

Theoretical Read Range: FCC (902-928 MHz)*

Air	14 m
Cardboard	10 m
Fiberglass	12 m
Glass	7 m
PTFE	12 m
Polyacetyl	12 m
PVC	14 m
Rubber	8 m

Testing and Compliance

All inlays certified by Zebra have been pre-tested with Zebra printers and readers.

Complies with Auburn Radio

Compliance (ARC) categories A, B, C, D, F, G, I, K, M, N, and Q

Material Testing in End Application

The information contained in this document is to be used for guidance only and is not intended for use in setting specifications. All purchasers of Zebra products shall be solely responsible for independently determining if the product conforms to all requirements of their unique application.

Footnotes

*Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

Radiation Pattern

**Read range drops to 12% of maximum when inlay is perpendicular (90° and 270°) to the reading antenna. To learn more about radiation pattern, visit zebra.com/rfidlabels

Markets and Applications

Transportation & Logistics

- Case/pallet labeling

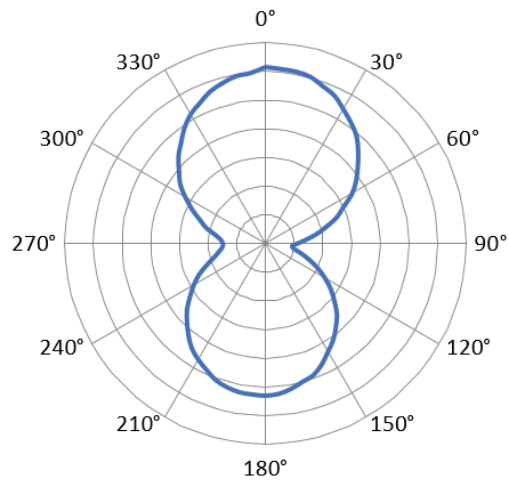
Retail

- Item level tagging

Other

- Asset tracking

RADIATION PATTERN**



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