

Racer RAIN RFID Label

Stora Enso, Intelligent Packaging



High-performing RFID Label for wide variety of Applications

Whether you are looking for a tag for global industry, retail, supply chain management, or sports event application, Stora Enso's Racer MR6-P is the right choice. Racer meets the performance targets set for challenging environments as well as provides good reliability and cost-efficiency.

Racer MR6-P offers true global performance in wide variety of RFID tagging applications, even in the most demanding ones, including low detuning materials like cardboard, plastics, corrugated boxes and RTIs (Returnable Transport Item) as well as high tuning environments like sports timing. Thus it can be used to improve performance and efficiency in wide variety of use cases.



Applications



Industry

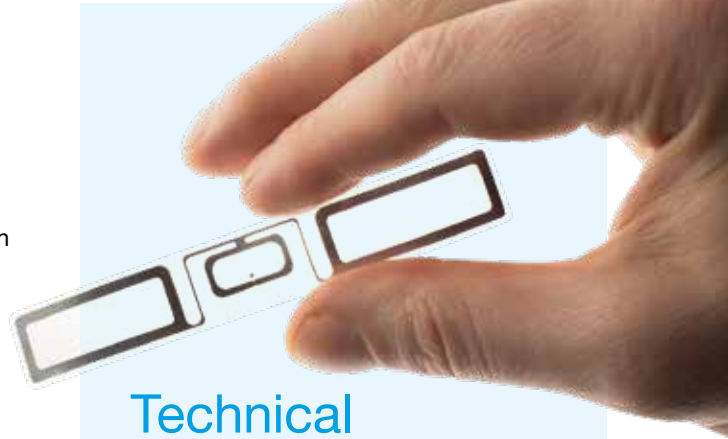


Supply chain
management



Retail

Stora Enso's Racer UHF label
in 70% of its natural size.



Key features of Racer

Global performance

With its broadband design passive Racer MR6-P tag enables excellent read distance at various globally used RF frequency bands. Racer complies with Auburn Radio Compliance (ARC) categories A, B, C, D, F, M, N, and Q defined by the RFID Research Center at the University of Auburn. The same tag can be used by the manufacturer, the logistics service provider and the retailer, to track and identify products accurately and cost-efficiently throughout the supply chain at item level.

Featuring Monza R6-P

Racer incorporates the Gen2 compliant MR6-P IC which includes an autotune feature ensuring Racer's performance at peak efficiency, even in different RF environments. The MR6-P RAIN RFID tag chip is optimized for serializing items such as apparel, electronics, cosmetics, pharmaceuticals, jewelry and various other products. With the addition of user memory and range-reduction switch, advanced usages such as loss prevention, brand protection and enhanced privacy are enabled.

About Stora Enso

Our aim is to replace non-renewable materials by innovating and developing new products and services based on renewable materials. And by transforming the world, we are transforming ourselves too; growing our expertise to meet the needs of our customers and overcome many of today's raw material challenges. As the leading global provider of renewable solutions in packaging, biomaterials, wooden constructions and paper, we employ around 26,000 people in 35 countries. Intelligent Packaging by Stora Enso is a leading global provider of products and services that enable our customers' digital transformation using the internet of things (IoT). We provide them with the means to connect physical items, gain efficiency, quality and visibility and exceed their customers' expectations.

Technical details

Sales Code

500043

IC & electrical details

Impinj's Monza R6-P
128 bit EPC, 32 bit user memory (default)
860 - 960 MHz
EPC Gen2v2, ISO 18 000-63

Size

Wet Inlay size 97 x 15 mm / 3.82 x 0.59 in

Web width

100 mm

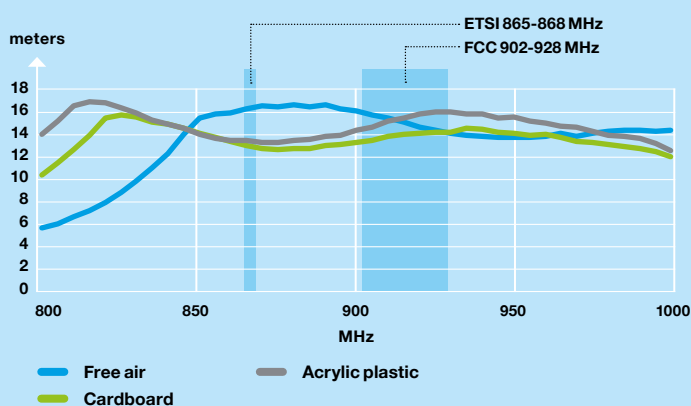
Operating temperature

-5 °C...+60 °C / +23 °F...+140 °F

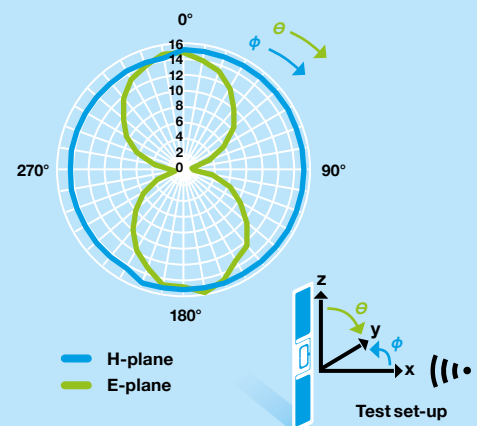
Delivery details

76 mm / 3 in core
5 000 pcs/reel, 20 000 pcs/box
1 year shelf life in +20 °C / 68 °F, 50 % RH

Theoretical read range forward



Orientation sensitivity



Contact us for more information:

www.storaenso.com/intelligentpackaging

The performance of the product should always be tested in the actual application conditions. Our recommendations are based on our most current knowledge and experience and the pictures and illustrations presented in this document are for illustration purposes only. As our products are used in conditions beyond our control, we cannot assume any liability for damage caused through their use. Stora Enso reserves the right to change its products and services at any time without notice.

