Sustainable RAIN RFID label optimised for item-level retail and supply chain applications

Stora Enso’s ECO Rack UCODE 8 is designed to perform in demanding, close-coupling environments often present in retail and supply chain applications. ECO Rack’s size is an established form factor commonly used in hang tags, price stickers and shipping labels. ECO Rack is fibre based and an environmentally friendly choice for low-detuning materials such as cardboard and plastic.

Applications

- Retail
- Apparel
- Supply chain management
Key features of ECO Rack

Perfect for retail and item level tagging
ECO Rack is suitable especially for demanding retail and item level tagging. ECO Rack is cost-competitive with traditional inlay options. Innovative production technologies enable highly efficient production processes and minimise waste and transportation cost. The label complies with Auburn Radio Compliance (ARC) categories A, B, C, D, F, G, I, K, M, N, and Q defined by the RFID Research Center at the University of Auburn. ECO Rack offers high read reliability and excellent performance even when stacked in close proximity. ECO Rack uses NXP’s UCODE 8 IC. The IC integrates Self Adjust, a feature that maximises the product performance across a broad range of operating frequencies, dielectrics and applications. NXP UCODE 8 also includes Memory Safeguard, a feature helping to ensure the integrity of customer data.

Reliable choice
ECO Rack labels pass industry standard tests for temperature and humidity (IEC 60068-2-67), temperature cycling (JESD22-A104-B) as well as tag bending tests. These comprehensive tests ensure ECO Rack performs at all stages of the products life cycle and can safely be used to track items from source to the point of sale.

Global tag for global operations
ECO Rack is a choice for retailers and brand owners globally, as it is compliant with current frequency regulations. Converting of ECO Rack into hangtags or stickers is easy, the delivery format is a 2-layer paper tag without the extra polyester layer present in all traditional etched inlays.

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.

Contact us for more information:
www.storaenso.com/intelligentpackaging