E-Lix™P

E-Lix™P is an UHF RFID textile tag miniaturized, flexible, durable and washable.

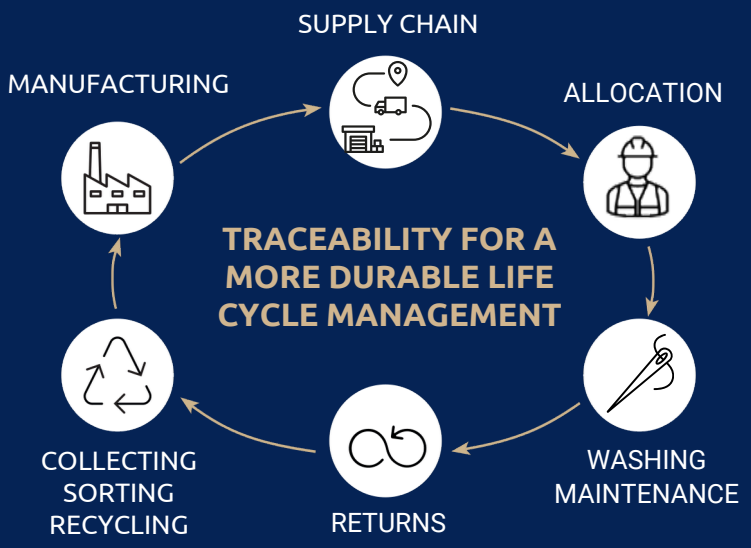
The RFID tag is easily integrated **in uniforms, workwear and Personal Protective Equipment** at manufacturing stage or afterwards.

It addresses the challenges of **identification** and **traceability**, particularly during **maintenance cycles** and enables the deployment of new services aimed to final users.

E-lix™P: the traceability solution for professional textiles

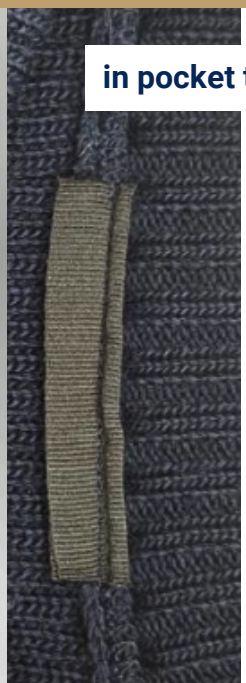
Main benefits of **E-Lix™P**:

- **Optimization of time, labour and costs** through fast and reliable bulk reading
- **Prevention of losses** through a unique digital identifier
- **Imperceptibility** to end users due to its very small size
- **Proven resistance** in constrained environments up to 200 wash cycles



With its unique identifier, the embedded E-Lix™P tag allows associating a product with all the data collected throughout its entire life cycle, in compliance with the European Sustainability Product Regulation (Digital Product Passport).

E-LIX™P TAG INTEGRATION EXAMPLES

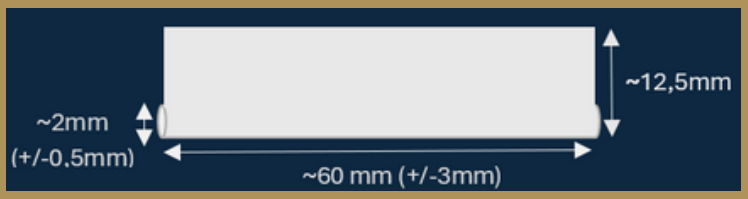


in pocket tag

in piping

E-Lix™P

PRODUCT INFORMATIONS



- **INTERNATIONAL STANDARD**
  ISO/IEC 18000-63 Type C, EPC Gen2
- **REACH (EC) No. 1907/2006 REGULATION**
  Compliant
- **EU RoHS 2 (Directives 2011/65/EU and 2015/863)**
  Compliant
- **RFID CHIP**
  IMPINJ Monza Series 7
- **EPC MEMORY**
  Up to 128 bits
- **TID**
  96 bits of serialized TID with a 48-bit serial number

- **WEIGHT**
  0.4 g
- **LENGTH**
  ~60 mm (+/-3mm)
- **DIAMETER**
  ~2mm (+/-0,5mm)
- **WIDTH**
  ~12,5mm

- **COMPOSITION**
  Chip encapsulated in epoxy resin
  Metallic antenna
- **EXTERNAL COVER LAYER**
  E-Lix™ P : Polyester ribbon (other material on demand)
- **COLOR**
  E-Lix™ P: White (other color on demand)
- **PACKAGING**
  E-Lix™ P: Individual tag integrated into piping or pocket tag

PRODUCT PERFORMANCES*

READING DISTANCE

Up to 5,5 meters

FREQUENCY BAND

UHF 860 -960 MHz

OPERATING TEMPERATURE

-40 °C to 85 °C

WRITING TEMPERATURE

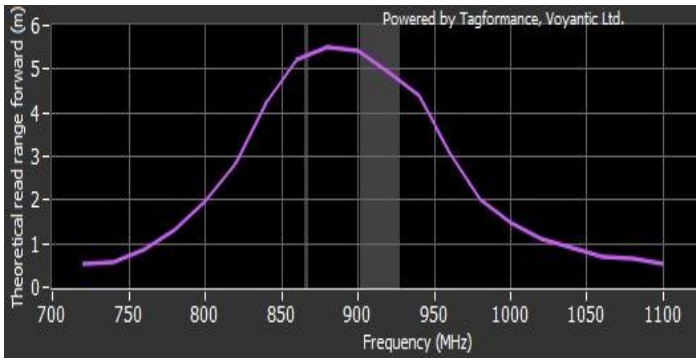
Maximum writing operation 65°C

WASHING STANDARD

up to 200 washing cycles - **NF EN ISO 15797**

STERILIZATION

200 cycles Prion - **ISO 11140-1 & NF EN 867-1**



The graph is for reference only, performance may vary depending on the application and environment. Non-contractual data.

**Pre-series product – some specifications may still evolve before the final production version. The data provided depends on the specific use case and conditions of use.*

June 2024 - Primo1D - RCS Grenoble B 794 635 235 – Model & Photos: Primo1D

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