

LinTRAK

E1560H-MRI-M850

HID's LinTRAK® ultra-high frequency RAIN® (UHF) radio-frequency identification (RFID) tags have been specifically designed to identify textile products. Thanks to their shape, durability and ease of fixation, they meet the tracking requirements of the laundry industry.

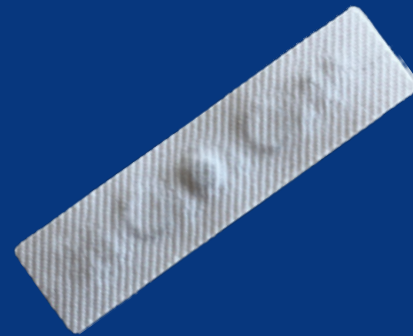
They withstand the rigors of repeated washings, including exposure to water, cleaning chemicals, sterilizing heat and water extraction pressure. The patented manufacturing process ensures cost-effective tags that deliver reliable, consistent performance throughout their entire life cycle.

LinTRAK tags are compliant with EPC global UHF Class 1 Gen 2 and ISO 18000-63 RAIN RFID standards. Each tag is encoded with a unique EPC code following GS1 standards (SGTIN96 format), which can be re-programmed to be compatible with any operating platform in accordance with privacy laws. Custom encoding services are available on demand.

MR conditional tags are undetectable by needle detector machines and validated by the world's most experienced MR-safety testing company (MRSTS) at 1.5 and 3.0 Tesla, which is the highest rating that can be applied for an RFID device. This means that a patient with this device (integrated to linen or gown) can be scanned safely in an MR system.

LinTRAK E1560H-MRI-M850 is a heat-sealable RFID tag, ideally suited for garments and uniform identification and tracking. It attaches directly and effortlessly onto linen items and garments, when heat-sealing instructions are followed.

Based on the latest generation IC, LinTRAK E1560H-MRI-M850 provides excellent read performance. In addition, it offers low minimum activation power to support densely stacked conditions.

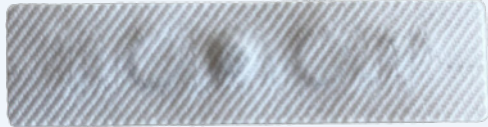


KEY FEATURES:

- 15 x 60 mm
- Specifically designed to identify textile products
- Heat-sealable tag
- Resistant to harsh laundry processes
- MR-conditional RFID tag for use in medical environments
- Utilizes the latest generation IC for best performance

KEY TECHNOLOGY HIGHLIGHTS:

- UHF: RAIN EPC Class 1 Gen 2 and ISO 18000-63
- Water, chemical, heat and mechanical pressure resistance
- Guaranteed to withstand 200 commercial washing cycles or three years
- OEKO-TEX® STANDARD 100 Level 1 certified

	LinTRAK E1560H-MRI-M850
	
Base Model Number	TL850E35H
	ELECTRONIC
Operating Frequency	860-960 MHz (worldwide)
Chip Type	M850
Memory	96 bits EPC / 32 bits User
Reading distance (2W reader ERP, free space)	Up to 8m ETSI and FCC band free air read range forward.
	PHYSICAL
Dimensions Height (+/- 1 mm) x Length (max)	0.6 x 2.4 in (15 x 60 mm)
Thickness	0.073 in (1,86 mm) on chip location only. Rest of tag is 0.02 in (0,5 mm)
Mounting Method	Heat-seal at 399°F (204°C), 4-5 bars, during 14 seconds. Allow a 5-minute cool down period before introducing the newly RFID-enabled item into harsh laundry processes
Material	UHF module: encapsulated chip, epoxy Antenna: stainless steel multithreads Fabric label: woven polyester, polyurethane and long fiber paper
Color	White
	WASHING
Max Temperature	428°F (220°C) / 30 seconds
Exposure	2,5 bars (36,25 PSI)
Tunnel Washer	194°F (90°C) / 15 minutes
Pre-Drying in Tumbler	320° F (160° C) / 30 minutes
Tunnel Finisher	365° F (185° C) / 30 minutes
Sterilization Process	273°F (134°C) / 2 bars / 10 minutes
Water Extractor Press	60 bars (performance level measured and guaranteed in HID's laundry tests and conditions)
Chemical Resistance	All standard chemicals used in laundry process
	OTHER
Standards	UHF EPC Class 1 Gen 2 v2, ISO 18000-63
Certifications	OEKO-TEX® STANDARD 100 Level 1 MR-Conditional EECC
Packaging	Bags of 200 pcs in boxes of 5000 pcs.
Personalization	Unique EPC code (unlocked). Custom encoding possible. Can be laser-marked with TID.
Warranty	200 washing cycles (according to ISO 15797:2017) or 3 years or up to 100 sterilization cycles



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