LinTRAK C1546-MRI-M730

UHF Tags for Textile Services

HID's LinTRAK ultra-high-frequency RAIN® (UHF) radio-frequency identification (RFID) tags are specifically designed to identify textile products. These tags meet the rigorous tracking requirements of the laundry industry, thanks to their shape, durability and ease of fixation — withstanding the rigors of repeated washing, 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 in accordance with 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 request.

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

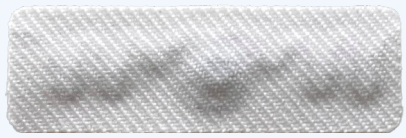
LinTRAK C1546-MRI-M730 is a compact, space-efficient RFID tag measuring just 15 × 46 mm. Its low footprint and discreet form factor enable seamless integration into textile items, preserving comfort and aesthetics while remaining virtually invisible to the end user.

KEY FEATURES:

- Specifically designed to identify textile products
- Resistant to harsh laundry processes
- Small, discreet and easy to affix
- Featuring a convenient 5mm sewing zone

KEY TECHNOLOGY HIGHLIGHTS:

- UHF: RAIN RFID EPC Class 1 Gen and ISO 18000-63
- Water, chemical, heat and mechanical pressure resistance
- Guaranteed to withstand 200 commercial washing cycles or 3 years
- OEKO-TEX® Standard 100 Level 1 certified
- MR conditional for use in medical environments

	LinTRAK C1546-MRI-M730
	
Base Model Number	TL730E11
	ELECTRONIC
Operating Frequency	860-960 MHz (worldwide)
Chip Type	Monza M730
Memory	128 bits EPC
Reading distance (2W reader ERP, free space)	ETSI: Up to 13 ft (4 m) FCC: Up to 19.7 ft (6 m)
	PHYSICAL
Dimensions Height (+/- 1 mm) x Length (max)	0.6 x 1.8 in (15 x 46 mm)
Thickness	0.078 in (2 mm) on chip location only, rest of tag is <0.008 in (0.2 mm)
Mounting Method	Sewn, inserted inside hem or pouch or fixed under a heat-seal label
Material	**UHF module:** encapsulated chip, epoxy **Antenna:** stainless steel multithreads **Fabric label:** polyester
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, ISO 18000-63
Certifications	OEKO-TEX® Standard 100 Level 1 MR-Conditional
Packaging	Bags of 200 pcs in boxes of 5000 pcs.
Personalization	Unique EPC code (unlocked). Custom EPC range & locking on request. 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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