

HST-5512

Silicone RAIN Laundry RFID Tag

HST-5512 Silicone RFID Laundry Tags are typically employed in industrial laundry operations. Flexible, small, RFID silicone laundry tag can be easily integrated into textiles such as blouses, towels, medical uniforms and other textile materials. The RFID transponder inside was made of QFN packaged UHF chip, SMT on a FPC copper antenna with double processes solid sealed to prevent any moist infiltration from silicone housing.

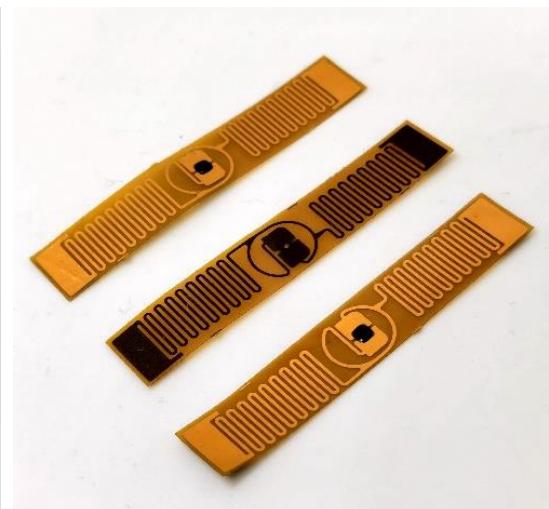


Features:

- Refine, flexible, smooth silicone housing resistant over 200 recycles industrial laundry.
- Withstand industrial detergent washing, sterilization, dewater, drying and ironing, and heat resistant 200°C, 3 bars circularly accompany the textile asset lifespan.
- Small, thin and flexible can carry color logo printing stably.



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FPC RFID Transponder

Specification:

Protocol	ISO 18000-6C / EPC global Class1 Gen2
Working Frequency	902~928MHz
IC	NXP UCODE 8/9
EPC Memory	128bits, 96bits
Write Endurance	100,000 times
Data Retention	20 years
Warranty	200 wash cycles or 2 years
Dimension	55*12*1.7 mm (Custom-tailor size is available)
Read Range	Up to 6m (Depend on handheld reader 33dBm)
Material	Silicone
Gross Weight	Approx. 2g per piece
Laundry Cycle Performance	Washing: +60°C (140°F) / 10 minutes Drying: +60°C (140°F) / 30 minutes Water Extractor Press: 60 bars Sterilization Process: +121°C (250°F) / 15 minutes
Working Temperature	-25°C ~+200°C
Humidity	5~95% RH

- All delivery will provide with TID database together,
- Color of silicone housing can be any color or transparent,
- Please contact us for customized design.

