Polyester RFID Laundry Tag Product Datasheet

Model: T7015-4

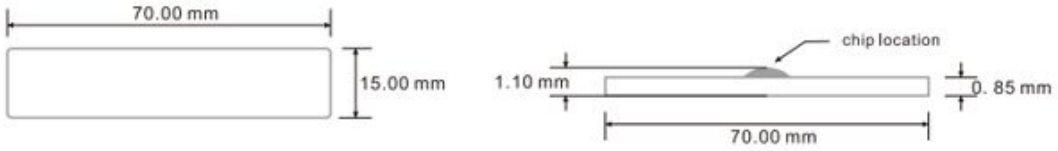


This Polyester RFID Laundry Tag, meticulously crafted with a flexible antenna embedded within polyester material, functions as a specialized UHF laundry tag designed exclusively for textile laundry management. Boasting remarkable durability, this tag can withstand **over 200 industrial washing cycles** with ease. Its slender profile, extensive reading distance, pressure resistance, and high-temperature tolerance render it ideal for demanding laundry applications. By either sewing or hot pressing the tag onto each textile item, a unique global identification code is assigned, facilitating seamless tracking.

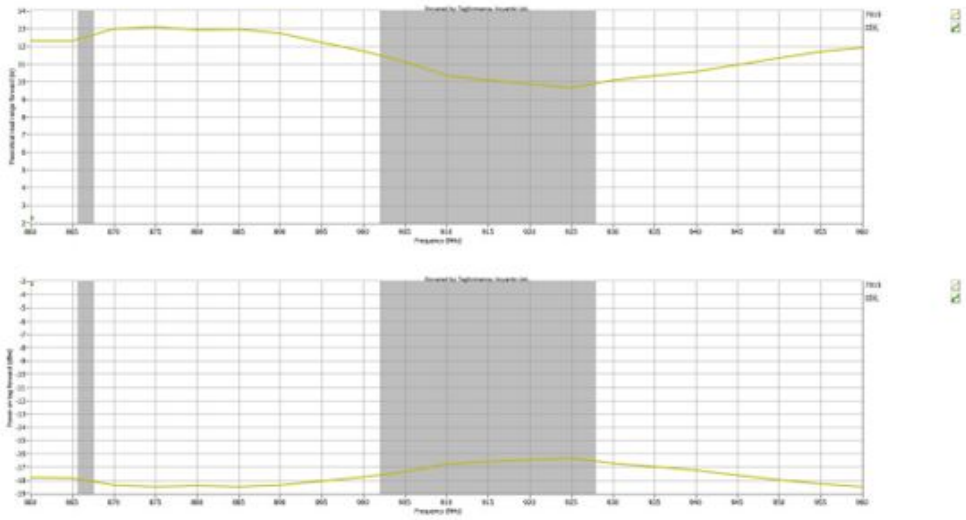
Throughout the lifecycle of the textile, users can efficiently perform batch reading using an RFID reader, thereby enabling precise tracking of textile usage and washing frequencies. This virtually imperceptible RFID laundry tag can be effortlessly inserted into even the narrowest hems of the finest fabrics, maintaining an unparalleled, wear-free feel that ensures ultimate comfort across all types of garments, whether for personal or professional wear.

Its capacity to endure diverse environmental conditions, including washability, corrosion resistance, elasticity, and softness, underscores its remarkable versatility. Remaining concealed and difficult to detect, this tag stands out for its robustness while blending seamlessly into the fabric.

Dimensions



Read Range(2W ERP)



Product Parameters

Model:	T7015-4
RFID Standard	UHF EPC Class 1 Gen 2, ISO 18000-6C
Frequency	860-960 MHz(worldwide)
Length x Width	70 x15 mm (2.7x0.6 in)
Thickness	1.1 mm(0.04 in)on chip location only, Rest of tag is 0.85 mm(0.03 in)
Weight	0.6 g
Material	Polyester

Chip Type	NXP Ucode 8
Memory	EPC:128 bits; TID:96 bits
Data Storage	> 20 years
Re-write	100,000 times
Read Range(Fixed Reader)	US: >11.5 m(38ft); EU: > 12.5 m(41 ft)
Read Range(Handheld Reader)	US: > 8.5 m(28 ft); EU: > 7.5 m(25 ft)
Installation	Sew:Sewn inside the hem or pouch
Warranty	200 washing cycles or 3 years, whichever comes first
Washing Method	Laundry, Dry cleaning
Water Extraction pressure	60 bars
Chemical Resistance	Detergent, Softener, Bleach (Oxygen/ Chlorine), Alkali
Washing Temperature	90°C(194°F)/15 minutes
Pre-drying in Tumble	180°C (356°F)/30 minutes
Ironing Tempereature	185°C (365°F)/10 seconds
Sterilization Tempereature	135°C (275°F)/20 minutes
Humidity/ Temperature-Operating	-20~+85°C (-68~+185°F) / 8~95%RH
Personalization	Serial number, LOGO printing, Encoding, Antenna design.etc
Applications	Industrial washing/Management of uniforms Medical apparel management/Military clothing management


APPLICATION
Control laundry operations
Manage inventory
Logistic tracking
Pool towel operations
Track inventory
Automated management

