

## Waterproof Laundry Tag



### OVERVIEW

Trace-tech Id Solutions has developed a Waterproof Laundry tag, this way the RFID technology can be applied to the uniform management.

This tag can be sewed, hot iron or hang on the towel & clothing, mainly applied in towel and apparel retailers.



**DEVELOPED AND  
MANUFACTURED  
BY TRACE-TECH ID SOLUTIONS**

## CUSTOMIZATION OPTIONS

- EPC encoding service
- Textile bag to sew the tag
- Barcode laser printing service
- Customer's logo printing service (one colour)

It's an innovative solution for RFID labelling of textiles with the aim to come as close as possible to the textile character of the object. Performed as an individual brand label, care label, or as a laundry label water proof transponders in conjunction with application specific RFID readers, are the basis for effective life cycle management down to individual unit level. Past, present and future challenges lie in the textile service especially in the field of logistics and production.

## ADVANTAGES AT A GLANCE

- UHF-Standard ISO 18000-6C (Gen2)
- Long Range Reading
- Bulk Reading
- Temperature Resistant
- Qualified for Rotary Ironing/Ironing
- Suitable for Dry Cleaning
- Product is ROHS compliant

## TECHNICAL DATA

<b>Material</b>	Silicone gel
<b>Size &amp; weight</b>	55 x 24 x 2mm
<b>Memory capabilities</b>	96 to 512 bits EPC and 512 bits USER
<b>Reading distance</b>	4-6 meters
<b>Tagging</b>	Sewing, Hot iron, hanging
<b>Estimated lifetime</b>	200 washing cycles / three years
<b>Compression Strength</b>	Up to 500N pressure
<b>Chemical resistance</b>	Detergent, softener, bleach (Oxygen/Chlorine). Alkali *4
<b>Heat resistance</b>	
· Drying	80°C 60 min
· Stoving	140°C 60 min
· Ironing	200°C 10 sg
<b>Transponder Protocols</b>	ISO 18000-6C, EPC Class1 G2
<b>Humidity / Temperature</b>	200 washing cycles / three years
· Low temperature	-40°C 60 min
· Operating conditions	-20°C to 50°C and 10 to 95% RH
<b>Packaging</b>	250 pcs/box
<b>Box size/weight</b>	14x11.5x6,3cms/1 kg