

RFID Silicone Laundry Tag

SRUSIL5512



- Soft and flexible material
- High performance on reading
- Available in 3 versions: sewing, Heating sealing and in pouch.
- More than 200 industrial washing cycles.
- ISO 18000-6C compliant
- Laser EPC and LOGO available
- EPC Pre-Encoding
- Support OEM and ODM

PRODUCT OVERVIEW

Dimension
55*12mm
Thickness: 2.5mm
Material
Silicone
Weight
3g
Color
White, etc
Feature
200 industrial washing cycles
Application
■ Laundry factory management
■ Uniforms management
■ Hospital patient gown
■ Military clothing management

WASHING SPECIFICATION

Operating Temperature	1) Washing: 90°C(194°F), 15 minutes, 200 cycles 2) Pre-drying in Tumbler: 180°C(320°F), 30 minutes 3) Ironer: 180°C(356°F), 10 seconds, 200 cycles 4) Sterilization Process: 135°C(275°F), 20 minutes 5) Water Extractor: 60 bar, 80 seconds
Autoclave	1) Air removal: +100°C (+212°F), 5 minutes, 0.1 bar 2) Sterilizing: +134°C (+273°F), 10 minutes, 3.25 bar 3) Drying: +45°C (+113°F), 15 minutes, 0.2 bar
Patching Instructions	+204°C (399°F), 12 seconds, 0.5 kg/cm²
Storage Temperature	-40°C to +120°C (-40°F to 248°F)
Chemical Resistance	All chemicals common to the washing process
Shelf Life	2 years at +25°C, 50 % RH
Mounting Methods	Sewing and in pouch
Certifications	RoHS Approved, CE Approved, MRI compliance



RFID SPECIFICATION

Chip	UCODE 9
EPC Memory	96 bits
TID Memory	96 bits
User Memory	None
Air Interface Protocol	EPC Class 1 Gen 2, ISO 18 000-6C
Operating Frequency	860-960 Mhz
Write Endurance	100,000 cycles
Data Retention	Up to 50 years
Reading Range	6.0 m
(Fix reader)	(Depends on reader and environment)
Reading Rang	3.0 m
(Handheld reader)	(Depends on reader and environment)

PACKING DETAIL

Delivery Format	Single
Package Format	ESD bag+ Carton
QTY/ESD Bag	200pcs
Final Inspection	100% tested

CONTACT INFORMATION:

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CARE AND HANDLING: RFID inlays are sensitive to Electrostatic Discharge (ESD). Observe standard industry practices relating to electronics/RFID to keep environmental impact and static charge to a minimum.

APPLICATIONS: This product should be tested by the customer / user thoroughly under end use conditions to ensure the product meets the particular requirements. SEIKO RFID TECHNOLOGY LTD. does not represent that this product is fit for any particular purpose or use. The information contained herein is believed to be reliable but SEIKO RFID TECHNOLOGY LTD. makes no representation concerning the accuracy or correctness of the data.

