

**Ario™ 370L-DL
HF Tag**



TAGSYS' rugged ARIO™ 370L-DL tags are based on a new generation multiread ISO 15693 HF RFID chip, offering superior performance in industrial environments as well as increased performance in terms of reading speed and distance.

DURABLE, SMALL SIZE, HIGH PERFORMANCE

Due to its unique design, the Ario 370L-DL is one of the sturdiest and resilient encapsulated tags available on the market today. Specifically designed for textile item tagging in industrial laundry applications, the Ario 370L-DL is highly resistant to tunnel washers, water extractors, tunnel finishers and tumblers.

The Ario 370L-DL is multiread and performs very fast (up to 70 reads per second) at greater reading distances.

This small, low profile, white tag is discreet enough to enable the identification and traceability of a variety of textile products such as garments, flat linen, mops and mats. Combined with our best of breed RFID reading stations, our tags enable to automate check-in/out, sorting, inventory and distribution processes not just in laundries but also at end-user sites.

Ario 370L-DL tags are sewn into garments either in the hem or pocket. They can also be affixed onto linen using a fabric pouch or heat sealed under a patch.

TAGSYS provides complete, reliable, high performance RFID infrastructure systems for item-level tracking in a variety of industries.

Our unique RFID expertise, combined with a true understanding of RFID business processes, makes us the ideal RFID partner to ease and ensure the success of your project.

More information on TAGSYS can be found at: www.tagsysrfid.com.



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T-M-Ario370L-DL-KrL-Datasheet-12oct2010

TECHNICAL SPECIFICATIONS

GENERAL

FREQUENCY:

13.56MHz

OPERATION MODE:

Passive

DIAMETER:

15mm (0.59 in)

THICKNESS:

2.8mm (0.11 in)

MATERIAL:

PPS, ivory

MARKING:

Chip reference, chip ID and fab out date laser-engraved on transponder housing:

- Chip reference: 370L
- 40 bit chip ID marked in hexadecimal over 10 digits around the tag
- Date format: xx(week) y(year) in center



RFID CHIP SPECIFICATION

OPERATING PROTOCOL:

ISO 15693, ISO 18000-3-1

SLI-L chip (NXP)

MEMORY:

256 user bits (36 digits ASCII)

64 UID bits (16 digits)

Multi-read/write, lockable

LAUNDRY CYCLE PERFORMANCE

MAXIMUM TEMPERATURE EXPOSURE:

200°C (392°F) / 15 seconds / 2.5 bars (36.28 PSI)

TUNNEL WASHER:

90°C (194°F) / 15 minutes

PRE-DRYING IN TUMBLER:

160°C (320°F) / 30 minutes

TUNNEL FINISHER:

185°C (365°F) / 30 minutes

STERILIZATION PROCESS:

134°C (273°F) / 20 minutes

WATER EXTRACTOR PRESS:

50 bars

WASHING CYCLES:

200 cycles or 3 years minimum guaranteed

DELIVERY

DELIVERY PACKAGING:

500 units in transparent plastic bags (weight: 375g)

PARCEL LABELING:

Sales reference, order number, quantity

TRANSPORT UNIT:

10 000 units in a box of 25 x 40 x 18 cm (9.8 x 15.7 x 7 in), 8.6 Kg (19 lbs)

QUALITY CONTROL:

100% final inspection

MINIMUM ORDER:

1000 units