



LT012 is a **fabric** RFID tag. Rectangular in shape, it is applied to the garment to be identified **by heat-sealing at 200°C, with a pressure of 2 Kg/cm2 for 30 seconds.**

Its dimensions measure **70 x 15 x 1.6 mm** and its weight is equivalent to 1.3 grams. Available in white, the customisation of this label is done by thermographic printing technique.

The **LT012 was created for industrial laundries** and has specific features that make it ideal for all typical

operations in this sector.

Its life cycle lasts up to **200 washes**, during which it withstands a **temperature of 90°C for fifteen minutes**. Then, when subjected to drying it tolerates up to **160°C for half an hour** and ironing is applicable up to **200°C for 10 seconds**. Finally, it **withstands up to 185°C for half an hour inside the finishing tunnel and withstands industrial stretching up to 60 Bar, i.e. 600 N/cm2.**

The LT012 is available in the catalogue with the UHF chips: **Monza**

**4QT, Ucode 7, Ucode 8 and Ucode 9.**

Furthermore, it can be read by a fixed RFID reader up to 5 metres, and by a handheld RFID reader up to a distance of two and a half metres.

#### MARKETS

The LT012 has an **IP68 rating**, making it resistant to water and dust.

Due to the specificities described above, this RFID tag is easily applied to clothing or linen, typically handled in **industrial laundries and in the fashion industry.**



European frequency (EU) 868 MHz - US frequency 920 MHz

## RFID features

Chip	Memory	ISO Standard
UCODE 7	0 bytes - TID: 12 bytes - EPC: 16 bytes	EPC Class 1 Gen 2
UCODE 7 US	0 bytes - TID: 12 bytes - EPC: 16 bytes	EPC Class 1 Gen 2
UCODE 8	0 bytes - TID: 12 bytes - EPC: 16 bytes	EPC Class 1 Gen 2
UCODE 8 US	0 bytes - TID: 12 bytes - EPC: 16 bytes	EPC Class 1 Gen 2
UCODE 9	0 bytes - TID: 12 bytes - EPC: 12 bytes	EPC Gen 2 V2
UCODE 9 US	0 bytes - TID: 12 bytes - EPC: 12 bytes	EPC Gen 2 V2
MONZA 4QT	64 bytes - TID: 12 bytes - EPC: 16 bytes	EPC Class 1 Gen 2

## Technical specifications

Application	Fabric
IP rating	68
Dimensions	70 x 15 x 1.6 mm
Material	Fabric
Weight	1.3 g
Application method	Heat sealer at 200°C, with a pressure of 2 kg/cm2 for 30 seconds
Washing cycles	200
Short time heat resistance	Washing: 90°C, 15 minutes Drying: 160°C, 30 minutes Ironing: 200°C, 10 seconds Finishing Tunnel: 185°C, 30 minutes Industrial Extractor: 60 Bar (600 N/cm2)
Storage temperature	-40°C ~ +80°C

## Customisation

Colour	White
Type of printing/numbering	Thermographic

