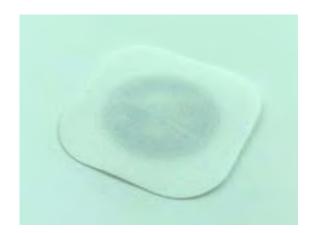


PRODUCT DATASHEET

Heat sealable NFC Tags for fabrics Hotmelt adhesive - NTAG424 DNA

Reference: AC-N424-TSxx

NFC Tags for clothing, designed for polyester or nylon, but also excellent on natural yarns. Applicable with heat press. Resistant to domestic washing.



Size and colors

Available in round or square shape (with round corners)

Patch diameter / side 34 mm

Tag diameter 25 mm

Overall thickness Approx. 0.5 mm

Available colors

White / black (other colors upon request)

Options

Encoding with URL (fixed or dynamic)

UID collecting / printing / pairing

Contactless IC chip

Manufacturer NXP

Chip module NTAG424 DNA

Operating frequency 13.56 MHz

SUN message supported

7-byte Unique ID (UID)

Communication rate 848 kbit/s

Compliance ISO/IEC 14443-A / NFC Forum Type 4

Read/Write endurance 200,000 cycles

Data retention 50 years







Technical features

Material	TPU hot melt film, PET plastic
NFC Antenna	Copper
Structure	Flexible and waterproof structure
Operating temperature	-25° and 85°C
Storage temperature/humidity	-25° and 85°C
Protection class	IP68 (completely impermeable to water and dust)
	Compliant with Standard 100 by OEKO-TEX
Country of origin	Italy

Resistance to domestic

Max. temperature +40°C

Tested with 10 domestic wash cycles at 40°C, with normal liquid detergent and spin at 600 rpm

The values and parameters indicated above are a general guide to the use of the product, as they may vary depending on the type of machine used. It is always mandatory to carry out the necessary tests before using it in production.

Recommended settings for the flat press

Temperature

150°C

Pressure

2 Bar

Duration

12 seconds (tested on lycra)

It is recommended to use the liner on which the Tags are placed as a protective film during application. The side to stick to the fabric is the one with the visible chip.

Certificate

This product is identified and certified by SGS in accordance with the RoHS Directive 2002/95/EC and its amendment directive.





