

## 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

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Available in round or square shape  
(with round corners)

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**Patch diameter / side**  
34 mm

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**Tag diameter**  
25 mm

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**Overall thickness**  
Approx. 0.5 mm

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**Available colors**  
White / black (other colors upon request)

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#### Options

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Encoding with URL (fixed or dynamic)

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UID collecting / printing / pairing

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#### Contactless IC chip

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**Manufacturer**  
NXP

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**Chip module**  
NTAG424 DNA

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**Operating frequency**  
13.56 MHz

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SUN message supported

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7-byte Unique ID (UID)

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**Communication rate**  
848 kbit/s

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

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**Read/Write endurance**  
200,000 cycles

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**Data retention**  
50 years

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## Technical features

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

