

## TNTAG-D20

NFC RFID Inlays



### GENERAL CHARACTERISTICS:

**Operating Frequency:** 13,56 MHz

**RF Protocol:** ISO/IEC 14443-3

**7-byte serial number**

**Chip:** NTAG 213/215/216

Data transfer of 106 kbit/s

### COMMON APPLICATIONS:

- Contactless transmission of data and supply energy
- Data integrity of 16-bit CRC, parity, bit coding, bit counting

FORMAT	DRY INLAY	WET / WHITE WET INLAY
Antenna dimensions (Width x Length)	∅20mm [0.79 in]	∅20mm [0.79 in]
Die- cut dimensions	N/ A	∅22mm [0.87 in]
Inlay substrate material	PET	PET
Inlay- to- liner adhesive	N/ A	RC15 (UPM)
Liner material	N/ A	Honey Glassine 65 (UPM)
Face sheet	N/ A	White or clear Polypropylene / Vellum paper
Standard pitch	23.81mm [0.94 in]	23.81mm [0.94 in]
Standard web width	110mm [4.33 in]	40mm [1.574 in]
Total thickness over chip	177.8 - 203.2 microns	254 - 330.2 microns
Operating temperature	-40 to 85° C [-40 to 185°F]	-40 to 85° C [-40 to 185°F]
RoHS	EU Directive 2011/65 EU Compliant	EU Directive 2011/65 EU Compliant
Quality assurance	100% read tested with out- of- tolerance inlay marked	100% read tested with out- of- tolerance inlay marked
Un- wind direction	Inlay- side Out	Label side out
Core size with adaptor insert	152.4mm [6 in]	76.2 mm [3 in]
Maximum roll outer diameter (not to exceed)	431.8mm [17 in]	304.8mm [12 in]
Average # of units per roll	<b>TBD</b>	<b>TBD</b>

**Minimum order quantity for customized labels, tickets, care labels (textile labels):**

**10.000 pcs**

**CARE AND HANDLING** RFID inlays are sensitive to ESD. Observe standard practices to keep environmental 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. Trace-ID does not represent that this product is fit for any particular purpose or use.

**PRODUCT CHANGES** Trace-ID reserves the right to modify, change, supplement or discontinue product offerings at any time without notice.

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