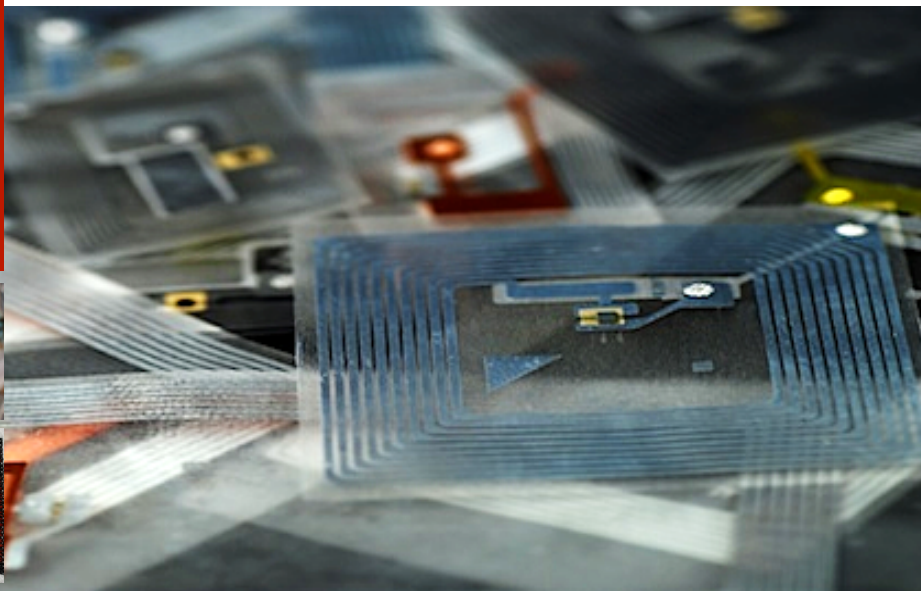


Identifiable, functional and flexible heat sealing RFID Tag's for wide variety of applications.



Nova-Tag® Seal RFID Transponders are developed for cost effective and reliable labeling for commercial, manufacturing and security applications.

Nova-Tag® Seal RFID Transponders are coated with the latest technical development of heat-activated adhesive, that enables permanent and fully temper resistant bonding between transponder and flat fabrics or other substrates, simple and effective.

Technical specifications

Inlays Processing

- UHF 860–960 MHz, ISO 18000-6C, EPC Class 1 Gen2
- NFC 13.56 MHz, ISO-14443 Type A
- HF 13.56, ISO-15693, 18000-3 Mode 1

Passive RFID Chipset

- Impinj
- NXP
- STMicroelectronics
- EM Microelectronics

Reading/Writing Range

- UHF up to 6 m / 19.7 ft
- NFC up to 0.5 m / 1.7 ft
- HF up to 0.5 m / 1.7 ft

Sizes:

- Any size (depends on RFID Transponder)

Overall Thickness

- 50 – 550 µm
(depending on protection/application required)

Material Stack-Up

- RFID Layer with IC (Top layer)
- Heat-activated adhesive (Bottom Layer)

Chemical / Temperature Resistance

- General chemical resistance
- -60 to +150 °C / -76 to 302 °F

Heat Sealing Properties / Process

- Bonding: 120 – 140 °C / 248 – 284 °F
- Heat seal press (recommended)
- Duration: 5 – 10 sec.
- Pressure: 5 bar

Features

- Permanent, temper resistant bonding
- Adheres to all kind of textiles, leather and other substrates
- UV-resistant
- Non-magnetic (hospital environments)
- Autoclavable
- Hypoallergenic (safe for skin contact)
- Not hamper movements

Laundry Performance

- Washable up to 95°C / 203°F
- Dry-Cleaning
- Pre-Drying in tumbler
- Sterilization
- Washing cycles (under testing)

Delivery

- Single units, in bulk packaging
- Rolls (upon request)

Applications

- Apparel and other item-level retail
- Embedded applications
- Returnable units
- Commercial and manufacturing
- Government and Defense
- Healthcare
- Security

We look forward to bringing our experience, support and solutions to your Nova-Tag®Seal RFID project!

For further informations, please contact us:

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