

IML TAG



APKID RFID IML (In-Mould Label) Tag gives enhanced performance and reliability.

Features:

- Designed specifically for IML
- Smaller size available with enhance reading distance
- Ensures accurate and repeatable label positioning during the injection moulding process
- Protection against counterfeiting
- Compact, Flexible & lightweight
- Withstands with high pressure and temperature
- Available in various memory and ISO protocols
- Excellent bonding to various thermoplastics

Applications:

- Sustainable Labeling for Medical and Pharma Products
- Logistics
- Asset tracking
- Inventory control

Tag Specification Data

	Ultra-High Frequency
ISO Protocol	ISO 18000-63, EPC Class1 Gen2
Operating Frequency	860 - 960 MHz ETSI / FCC compliant
Memory	EPC : 96-bit / 128-bit TID : 64 bit /96 bit
Data Retention	Up to 20 years
Programming Cycle	Up to 100,000 cycles
Material	Special substrate
Dimension	15x8mm , 25x8mm , 45x8mm, 50x20 mm, 32x90 mm, 80x40mm, 240x50mm & Customize
Thickness	0.4mm ±0.1mm 0.6mm ±0.1mm

Data Sheet

Environmental Test Data

Ingress Protection	IP68
Storage Temperature	-40°C to +80°C
Operating Temperature	-40°C to +80°C 170°C for 30 sec
Vibration Resistance	Excellent
Shock Resistance	Excellent
Impact Resistance	Good
Chemical Resistance	Highly resistive to Washing agents, Ethanol, Detergents, Oils and greases.

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