

IML TAG



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

Features:

- Designed specifically for IML
- Suitable IML for Polyvinyl chloride (PVC), Polyethylene (PE), Polyethylene terephthalate (PET), Polypropylene (PP), High density polyethylene (HDPE), Thermoplastic olefin (TPO), Acrylonitrile butadiene (ABS), Polycarbonate (PC), Polyamide (Nylon), Fiberglass, Sheet molding compound (SMC), Foam / solid rubber, Polyurethane foam Injection molding
- Compact, Flexible & lightweight
- Withstands with high pressure and temperature
- Available in various memory and ISO protocols
- Excellent printability
- Excellent bonding to various thermoplastics

Applications:

- 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	102.50x20mm, 50x20mm, 90X30mm, 90X32 mm, 80x40mm, 240x50mm & Customize
Thickness	0.50mm ±0.1mm

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.

Data Sheet

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