

# Maxdura® Case

## Overview

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**Frequency Band**

HF 13.56 MHz

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**Chip**

NXP ICODE SLIX

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**Hard Tag Dimensions**

51 x 51 mm / 2.01 x 2.01 in

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**International Standard**

ISO 18000-3 Mode 3

ISO 18000-6C, EPC Class 1 Gen 2

ISO 15693

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**Industry Segments**

Automotive

Logistics

Industrial Applications

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**Applications**

Supply Chain Management

Asset Tracking

Returnable Transport Units (RTUs)

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## High-temperature resistance for coating lines and industrial applications

Our Maxdura® Case have been specifically designed to meet high temperature requirements in industrial applications and coating lines. Made from PPS, the Maxdura® Case offers high resistance to harsh surrounding conditions, in particular resistance to high-temperature, mechanical stress and most chemicals.

The high-temperature tags have been successfully tested to sustain 200°C for 60 minutes, 220°C for 45 minutes, and 240°C for 30 minutes. Furthermore, it resists acetone, sodium carbonate, saltwater, fresh water, acetic acid and ethyl alcohol. In addition, vibration and shock resistance have been verified to conform to IEC 86.2.6 and IEC 68.2.29.

Our Maxdura® Case provides reliable read range and excellent performance. The tags contribute to process acceleration, efficiency gains and optimized tracking and tracing of goods and parts. Due to their high resistance, they are very well suited to tap the benefits of passive RFID in harsh environments and demanding industrial applications.

## Technical features

Chip	NXP ICODE SLIX	Alien Higgs 3
EPC and User Memory	-	96-bit and 512-bit
Total Memory	1024-bit	
TID Memory	Available for all	
Product Code	3004586	3007056
Hard Tag Dimension	51 x 51 mm / 2.01 x 2.01 in	
Frequency Band	HF 13.56 MHz	
Thickness	6.50 mm / 0.26 in	6 mm / 0.24 in
Housing Material	PPS+GF30%	
Color	Black	
Operating Temperature	-40 °C to 85 °C -40 °F to 185 °F	
Storage Temperature	-55 °C to 185 °C -67 °F to 365 °F	
Extreme Temperature	60 mins at 200 °C / 392 °F, 1000 cycles 45 mins at 220 °C / 428 °F, 1000 cycles 30 mins at 240 °C / 464 °F, 1000 cycles	
Quantity / Package	100 pcs / box	
Certificates	IP68	IP68 ETSI

### Contact information

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**Warranty:** Please refer to Avery Dennison standard terms and conditions: [rfid.averydennison.com/termsandconditions](http://rfid.averydennison.com/termsandconditions)

**Care and handling:** RFID inlays are sensitive to ESD. Observe standard industry practices relating to electronics / RFID to keep environmental impact and 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. Avery Dennison does not represent that this product is fit for any particular purpose or use. Avery Dennison reserves the right to modify, change, supplement or discontinue product offerings at any time without notice. The information contained herein is believed to be reliable but Avery Dennison makes no representation concerning the accuracy or correctness of the data.