# MIL-STD-129 RFID Shipping Labels

- Includes RFID shipping label and buddy label for record keeping
- Read range up to 32 feet
- DOD-96 and MIL-STD-129P compliant
- Custom printing available

## Description



**SMARTMARK**
**DURABLE RFID TAGS & LABELS ™**

Automate your data capture with DoD-96 and MIL-STD-129 compliant RFID enabled shipping labels. DoD-96 is a requirement implemented in 2006 by the department of defense. It requires that shipments of specific items to certain locations must have a passive RFID label or tag attached to them. MIL-STD-129 is a standard that covers what information is required on labels for shipping and storage.

These labels meet both standards, and are easily identified by the cage code and serial number. An included buddy label detaches from liner and allows you to keep a separate set of records. Custom printing and encoding is available.

## Additional information

| | |
|---|---|
| Model Number | WF-SM-43015-DOD-WFCO MIL-STD-129 RFID Shipping Label |
| Applications | Identification Labeling, Container Tagging, Manufacturing, Product Marking, Warehouse |
| Material | Polyester |
| Overall Thickness | 3 mil ± 10% |
| Temperature Service Range | -40°F to 200°F |
| Minimum Application Temperature | 40ºF |
| Water Resistance | Poor |
| Solvents Resistance | Fair |
| Oil Resistance | Poor |
| UV Resistance | Fair |
| Adhesive | Permanent Acrylic |
| Adhesion | Adhesion to Glass at 24 hr. dwell: Excellent, Adhesion to Steel at 24 hr. dwell: Excellent, Adhesion to HSE Plastics: Good, Adhesion to LSE Plastics: Good |
| Shelf Life | 1 Year, Stored at 70F and 50% Relative Humidity |

# RFID Performance

| RFID Protocol | EPC Class 1 Gen 2; ISO 18000-6C |
|---|---|
| Tag Type | Passive Read/Write |
| Frequency Range | 860 – 960 MHz (Global) |
| User Memory | 512 bits |
| EPC Memory | 96 bits |
| IC | Alien® Higgs® 3 |

*Other single record and dual record chips available.

Tested Polarization:

Tag performance was experimentally mesaured in an anechoic chamber with a known set of experimental variables. The antenna used for measurements was linearly polzarized and of monostatic configuration. The direction of tested polarization is as follows.
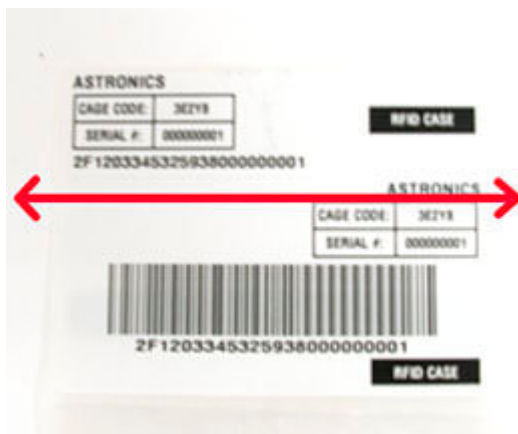
Optimal Read Range* on Different Material Surfaces:

*Optimal Read Distance for SM 43015-DoD-WFCo RFID Tag on Various Surfaces
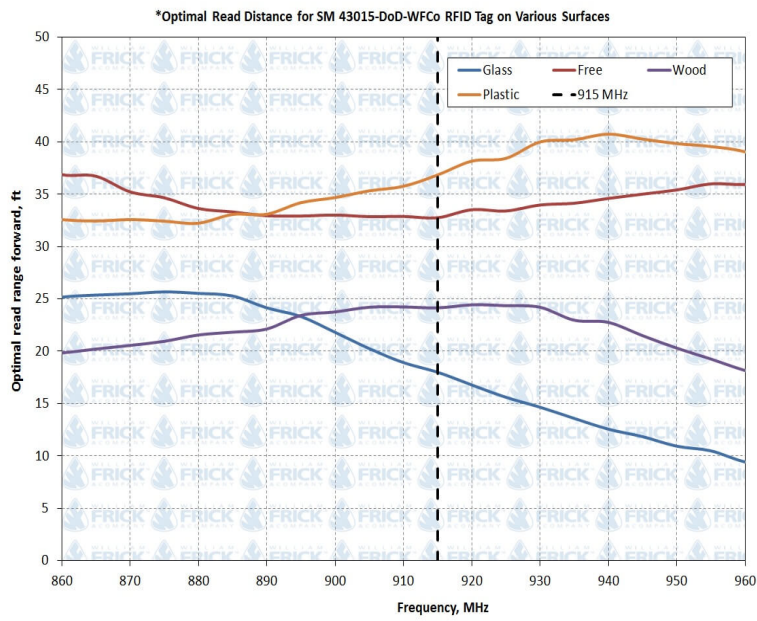
*Tag performance was measured free of material influence. Actual read ranges may differ depending on conditions such as environment, tag placements, hardware, etc.