

Destructible RFID Windshield Tags



We've taken our best-selling RFID Windshield Tags and made them even better! By using destructible material to construct the tag itself we've made it virtually impossible to remove from the windshield in one piece – increasing the security features of the tag and the potential applications in which the tag can be used. These features make this the perfect product for access control applications where security is a high priority or you want to eliminate the transfer of tags to other vehicles, i.e. loyalty programs at car washes, etc.

Just like its non-destructible counterpart this tag features surface printing which ensures crisp details on even the most complex logos for maximum clarity. Four color processing is also available for limitless design and color options. This product utilizes passive RFID technology and provides a read range of up to 30+ feet.*

Key Market Features

- Tag designed to destruct upon removal from windshield
- Double sided printing option available
- Specialized inlays read well both attached to and through windshield glass
- Read ranges of 30+ feet*
- Unlimited color options with choice of up to four standard or custom colors
- UV stable construction & printing



*Read range differs by environment and reader type



Destructible RFID Windshield Tag Specifications

Tag Construction: RFID inlay encapsulated between .002” thick destructible material

Label Copy: The label copy may include block type, stylized type, logos or other designs. All copy, block type, stylized type, logos, designs and bar code are surface printed.

Colors: Standard colors include: black, red, yellow, green and blue. Due to contrast needed for the bar code scanner, all bar codes are black.

Serialization: Bar code and human-readable equivalent is produced using the latest high-resolution digital technology available, which provides excellent clarity and easy scanning. Code 39 is the standard symbology with a range of 2.7 to 9.4 CPI (characters per inch). Optional symbologies include Code 128, 2D Data Matrix, QR and more.

Programming: The bar code and human readable can be programmed into the RFID inlay as long as the information is in decimal or hexadecimal format. The programmed information can be locked, which prevents the RFID inlay from being rewritten. If desired, we can

encode information that differs from the bar code and human readable.

Frequency Range: UHF = 860-960 MHz

IC Characteristics: Alien Higgs 3, EPC Class 1 Gen 2, EPC Memory of up to 480 bits, User Memory is 512 bits.

Standard Sizes:
4.1875” x 1.25”

Standard Adhesive: .002” thick pressure-sensitive adhesive (V32).

Shipment: Approximately 20-25 work days depending on order quantity and inlay availability. .

Test Results

These tests were conducted for a limited period of time in strict laboratory conditions. In order to achieve maximum satisfaction we highly recommend that any customer considering use of this product test the labels in the environment in which they will be used.

Read Range Test: Tag has an average read range of 30 ft using Infinity510 portal reader on glass at 24 dbm (1/4 of maximum reader power) and has a read range of 21 ft using Symbol MC906R handheld reader at 30 dbm (full power).

Temperature Test: Tag performs in temperature range of -40°F to 185°F. Note: Tag performance is limited to performance of inlay.

Label Adhesion Test: This rating measures label adhesion after being exposed to chemicals listed below for a 2-hour, 24-hour and 72-hour soak.

QUV Weather Test: 438 days (10,512 hours) of UV exposure. Comparative to approximately 9 years of UV exposure. Yellowing of adhesive was seen but print quality was unaffected. Inlay performance had no degradation. Note: UV exposure approximation differs dependent on geographic latitude and altitude.

| Length of Immersion | Water | Glass Cleaner | Bathroom Cleaner | Alcohol | Acetone | NaOH | HNO3 | HCl | Brake Fluid | Diesel Fuel |
|---------------------|-------|---------------|------------------|-------------------------------------|--------------------------|------|------|------|-------------|-----------------------|
| 2 Hours | N.E. | N.E. | N.E. | N.E. | Very Slight Delamination | N.E. | N.E. | N.E. | N.E. | N.E. |
| 24 Hours | N.E. | N.E. | N.E. | Adhesive slightly softened at edges | Delaminated | N.E. | N.E. | N.E. | N.E. | N.E. |
| 72 Hours | N.E. | N.E. | N.E. | Partially Delaminated | Delaminated | N.E. | N.E. | N.E. | N.E. | Partially Delaminated |
| N.E. = No Effect | | | | | | | | | | |

