

## GARBAGE BIN TAG



Global Tag GARBAGE BIN TAG is a nylon transponder designed for tracking waste containers. Waterproof, shock-resistant, and chemical-resistant, it is perfect for outdoor use and particularly suited for waste sorting.

Designed with a special shape for application on wheeled bins, it is available in LF, HF, or UHF frequencies.

Customizable with full-color printing, UID engraving or serial number.

### MECHANICAL AND ENVIRONMENTAL SPECIFICATIONS

**Dimensions:**  $\varnothing$  30mm x 14,8mm

**Mounting System:** Screw-in

**Weight:** 6,5gr.

**Material:** Nylon + Epoxy

**Color:** Generally Black, other colors as option

**Class Protection:** IP68 (Totally protected against ingress of solid

**SWeather Ability:** Very Good, including UV resistance and sea water

**Expected lifetime:** Years in normal operating conditions

**Delivery format:** Singulated

**Storage Temperature:** -55°C (for 3h) to +120°C (for 2h in the oven) / -67°F (for 3h) to +248°F (for 2h in the oven) (for any other particular request or various environment, contact us)

**Operating Temperature:** -20 to 120 °C / -4°F to +248°F

**Chemical resistance:** No physical or performance changes in (tested up to, more hours can be): - 200 hours Motor oil immersion - 200 hours Salt water (salinity 10%) exposure - 200 hours H<sub>2</sub>SO<sub>4</sub> Sulfuric acid (10% pH 2) exposure - 24 hours NaOH Caustic Soda (10%, PH 13) exposure - 24 hours HCl Muriatic Acid (10%) exposure - 24 hours Na<sub>2</sub>CO<sub>3</sub> Soda Solvay - 24 hours NH<sub>3</sub> Ammoniac (5% to 25%)

### **TYPES OF RFID CHIPS:**

**LF:** Available with TK4100, T5577

**HF:** Available with I-Code SLIX, I-Code SLIS, Mifare Ultralight, Mifare Classic 1K, Mifare Classic 4K, N-Tag213/216, others on-request

**UHF:** Available with NXP Ucode8 or Alien Higgs9 chip. Other UHF chip on request

### **PRINTING AND CUSTOM OPTIONS:**

**Printing laser engraving:** Serial UID, serial progressive number from database, randomize number from database text. Other customization on required.

**Pre-Encoding:** Customer specific encoding LF or HF (ISO15693 or ISO14443) user memory and UHF EPC. For NFC chip encoding memory with different type of NFC (E-mail, URI etc.)

## ORDER INFORMATION:

**Standard product is made with Nylon Material and Epox**

**PRODUCT CODE:** GT-GRBGY-xx (xx defined type of chip required)

On demand we can also produce transponder with different color or with other type of customization

For more information, please contact us:

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