

RFID LABEL



Catalog Number: RFID LABEL

Radio frequency identification labels.

RFID Technical Info: Each label has 64 keystroke "words" of memory. AFC encodes lot number, unique number, product name, and expiration date in non-volatile memory. The user can encode about 20 computer keystrokes into volatile memory. The RFID chip is embedded in a label that is imprinted with AFC logo, product name, AFC telephone number, lot number and unique bag number. The same numbers are stored in the electronic memory. The label is sealed within the envelope of the AFC bag. Label is 0.71" wide x 1.42" long. Each chip has its own unique number permitting electronic identification of any bag.

These RFID chips have no battery. The reading and writing is accomplished with radio frequency power supplied by the reader/writer. Frequency: 13.56 MHz. The reader/writer is 1.5 x 2.5 x 4.5 inches. The label must be brought within a centimeter of the read/write device to be read or written to, this prevents erroneously reading information from another adjacent device. The label can be read through cardboard and paper but not through metal canisters. The label can be read while it is frozen, covered with frost, or too hot to touch.

Reading is by a "keyboard wedge" device that works with the keyboard of any computer to read the electronic information directly into any computer program that accepts data from

the computer keyboard. Some Bluetooth devices can read RFID labels if properly configured.

These labels permit three independent methods of identifying the bag: Plain English, Bar Code reader, and Electronic scanner.

These labels with RFID chips can be autoclaved, and can be frozen in liquid nitrogen and thawed at least ten times without loss of memory.

Applications: Electronic identification of bags with direct input to computer programs. RFID labels can be placed into most bags that AFC manufactures.

Reader/writers are available from AFC.

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