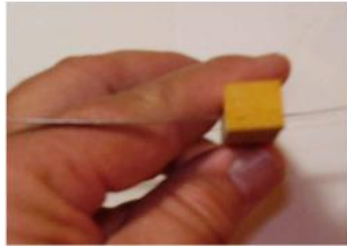# Small Pipe and Cylinder Rubber Tag

Part Number :   **PC-100**

Key Features: Not optimized as for metal unlike all of the other PC-tags but more economical than metal mount tag, employing rugged chip
Excellent read/write performance on any surface. Attached by adhesive, double sided tape , strap, velcro strap..
Heavy Duty, Possibly the Worlds most Rugged Tag

RF Specifications

* Other chips/tags available (Philips, TI, ST etc)

EPC Gen 2 / ISO 18000-6c Compliant

Memory: 96 bits (Impinj) , 512 bits (Philips)

Frequency: UHF

North America: 902-928Mhz	Europe: 865-868 Mhz
Japan: 950-956 Mhz	China: 917-925 Mhz and 868MHz
Korea: 908.5 - 914 Mhz	India: same as Europe
Singapore: 923-925 Mhz	Australia: 918-926Mhz
Hong Kong: 920 925Mhz	Taiwan: 922-928Mhz

General Read Distance of Bent Tag
(mounted on flat metal plate)

Tip to Tip Distance	Read Distance
5.5"	72"
4.5"	65"
3.5"	50"
2.0"	36"
1.0"	36"

Temperature/Environmental (Typical minimum)

Tag Tested to:

Excellant(85c 30 days; Shock 85c/-25c 1 week)

Good: (125c-100% Humidity 7 days; 200c 24hr)

Fair: (160 c 7 days , tag become brittle but functions OK)

Rubber Spec:

HVP Rubber

Tensile, psi 2500 Minimum; Elongation,% 400 Minimum; Durometer, Shore A 60-70

Drop Test to Asphalt: Distance:Two Meters, Weight Attached to: 5Kg Times: > 150 (best known competitive tag only lasts 20 times)
Two meters with 8 kg > 50 drops and 18kg > 5 drops (competition fails immediately)

Dimensions

L x W x H :   135mmX 12mm X 12mm

Patent Pending

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Can be attached by screws or rivets.
Extreme examples:

TROI does not recommend excess screws.
However even excess can be read normally.

Rubber Adhesive Bonds to Metal Excellent

on board electronics design in a vulcanized rubber package.