



# TEX 55x12 SILICONE

## Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2; ISO18000-63
- **Frequency** 860-960 MHz (Global);
- **IC type** (chip)<sup>1</sup> NXP UCODE 9
- **Chip memory**<sup>2</sup> 96 bits EPC; 96 bits TID
- **Applicable surface** textiles
- **Read range** off metal<sup>3</sup> Up to 19.69 ft (6 m)
- **Polarization** Linear

## Key Features

- + **Flexible and washable**
- + **100+:** commercial washing cycles
- + **Cost-effective:** for high volume
- + **Printable:** texts, patterns and barcodes

## Applications

- **Medical scrubs**
- **Hospital linens**
- **Hotel linens**
- **Uniforms**
- **Rental costumes**

## Environmental Specifications

### Temperatures

- Operational -40°C to +85°C
- Survival -40°C to +85°C

### Chemicals<sup>4</sup>

- Standard detergents, fabric softeners, bleach, oxygen/chlorine compounds, alkali substances, acetic and peracetic acid

- **Storage humidity** 20% - 60% RH
- **IP rating** IP68
- **Compression strength** 71.07 psi (490 kPa)

- **Shock** 1 m to concrete/granite
- **Vibration** MIL-STD-810G
- **Warranty** 1 year

<sup>1</sup> The chip data retention is up to 50 years, based on chip operating under general environment conditions.

<sup>2</sup> EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.

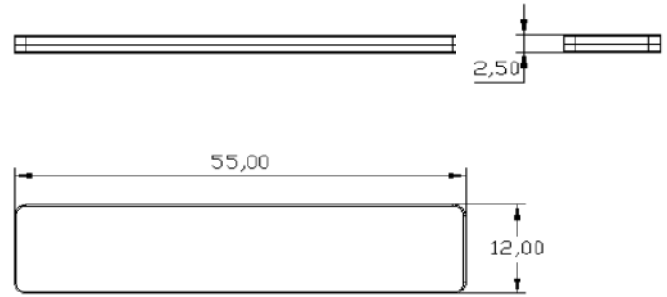
<sup>3</sup> Fixed reader, actual read range may vary based upon use case and antenna power.

<sup>4</sup> The chemical resistance is based on the concentration of solutions and application environment. Please contact Xerafy for further details on chemical resistance.



## Physical Specifications

- **Material** Silicone
- **Dimensions (in)**<sup>1</sup> 2.17 x 0.47 x 0.10
- **Dimensions (mm)**<sup>1</sup> 55 x 12 x 2.50
- **Color** Gray
- **Weight** 0.07 oz (1.99 g)
- **Washing method** Laundry, dry cleaning



## Mounting Systems

- Sew

## Installation Instructions

Install the tag by sewing:  
Sew into a hem or inside a pocket of fabric

<sup>1</sup> Tolerance: +/- 0.02; +/- 0.50

<sup>2</sup> Tolerance: H: +/- 0.004; H: +/- 0.100

## Industry Compliance



## Order Information

TEX 55x12: X5512-GL070-U9

## Customization Options

Encoding

Laser Marking

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