

TEX 70x22 ROLL

Technical Specifications

- **RF protocol** EPC global Class 1 Gen 2; ISO18000-63
- **Frequency** 860-960 MHz (Global)
- **IC type** (chip)[1] NXP UCODE 9xe
- **Chip memory**[2] 128 bits EPC; 96 bits TID
- **Write cycles** 100,000 Times
- **Data retention** 20 years
- **Read range** fixed[3]
  Up to 19.69 ft (6 m) US
  Up to 16.40 ft (5 m) EU
- **Read range** handheld[3]
  Up to 15.75 ft(4.80 m) US
  Up to 13.12 ft(4 m) EU
- **Polarization** Linear

Key Features

+ **Printable:** compatible with standard RFID printers
+ **On-roll:** support automated attachment processes
+ **200+:** industrial washing cycles
+ **EECC certified:** quality assurance
+ **Print and encode in-house for each production order**

Applications

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

Environmental Specifications

Temperatures

- Operational -20°C to +85°C
  -4°F to +185°F
- Washing: 90°C (194° F), 15 minutes
- Pre-drying: 180°C (356°F), 30 minutes
- Heat-sealing: 210°C (410°F), 20 seconds
- Ironing: 185°C (365°F), 10 seconds
- Sterilization process: 135°C (275°F), 20 minutes

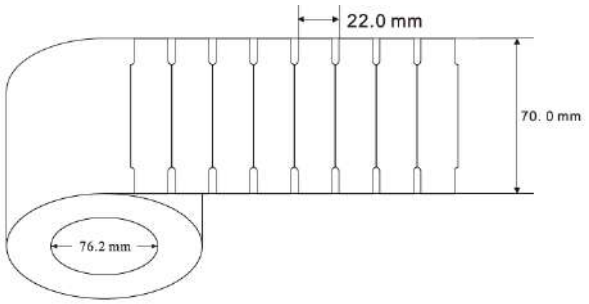
Chemicals[4]

- Standard detergents, fabric softeners, bleach, oxygen/chlorine compounds, alkali substances

- **Storage humidity** 8% - 95% RH
- **Mechanical resistance** 60 bars
- **Vibration** MIL-STD-810G
- **Printer compatibility** TSC Printronix T6000e, Zebra ZT610R, SATO CL4NX, Postek TX3r, etc.
- **Warranty** 200 washing cycles or 3 years

1 The chip data retention is up to 20 years, based on chip operating under general environment conditions.
2 EPC can be re-programmed, password protected, or permanently locked. TID is locked and unique at the point of manufacturing.
3 Off metal, actual read range may vary based upon use case and antenna power.
4 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** Polyester
- **Dimensions (in)**[1] 2.76 x 0.87
- **Dimensions (mm)**[1] 70 x 22
- **Thickness (in)**[1] 0.03 in, 0.04 in on chip location
- **Thickness (mm)**[1] 0.65 mm, 1 mm on chip location
- **Color** White
- **Weight** 0.53kg/roll
- **Package** 500 tags + 25 additional tags per roll
- **Washing method** Laundry, dry cleaning

Mounting Systems

Sew or heat-seal based on specific requirements, with different product P/N selections

Installation Instructions

For detailed installation guidelines, refer to the Xerafy TEX guide

1. Install the tag by sewing:

Sew into a hem or inside a pocket of fabric

2.Install the tag by heat-sealing:

Seal the tag onto the textile at 210°C and 0.6-0.8 MPa for 20 seconds

[1] Tolerance: +/- 0.02; +/- 0.50

[2] Tolerance: H: +/- 0.004; H: +/- 0.100

Industry Compliance

Order Information

TEX 70x22 Roll (Sew): X7022-GL011-U9xe	TEX 70x22 Roll (Heat-seal): X7022-GL010-U9xe

Customization Options

Encoding	Printing

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