

## FEATURES

- Easy-peel temperature strips for added convenience
- Non-reversible colour changing indication for easy identification
- Bracketed temperatures to suit specific applications

# RS PRO Non-Reversible Temperature Sensitive Label, 93°C to 110°C, 4 Levels

RS Stock No.: 286-119



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

Brought to you by the trusted RS PRO brand, these temperature-sensitive labels are micro-sized for easy application in electronics. The self-adhesive labels change colour when exposed to different temperatures, and so are a reliable way to easily indicate the exposed temperature of the product. These temperature levels indicate the exposed temperature at four different levels, and so will permanently record the highest bracketed temperature that the label, and so the product it was attached to, was exposed to. They can adhere securely to many types of surface, and so they are suitable for a variety of applications where temperature control is a concern.

## General Specifications

<b>Number of Temperature Levels</b>	4
<b>Orientation</b>	Circle
<b>Reversibility</b>	Irreversible
<b>Shelf Life</b>	24 months
<b>Surface or carrier</b>	Polyester
<b>Adhesive Type</b>	Acrylic
<b>Colour Change Material</b>	Non-toxic, white crystalline, adhered with acrylic adhesive
<b>Tolerance</b>	$\pm 1^{\circ}\text{C}$ , $\pm 1.5^{\circ}\text{C}$
<b>Covering Film</b>	Polyester
<b>Storage</b>	Store in a room temperature
<b>Pressure sensitive</b>	No
<b>Applications</b>	Food Industry , Pharmaceuticals, Medical products, Industrial equipment, Shipping and packaging for sensitive goods

## Mechanical Specifications

<b>Dimensions</b>	11mm X 4mm
<b>Label Length</b>	11mm
<b>Label Width</b>	11mm

## Operation Environment Specifications

<b>Minimum Temperature Sensitivity</b>	93°C
<b>Maximum Temperature Sensitivity</b>	110°C

## Approvals

<b>Compliance/Certifications</b>	RoHS Certificate of compliance
----------------------------------	--------------------------------

## Accessories

Item Name	Item Description	Quantity
Time indicator label	Time Strip Non reversible time indicator label , 19 x40mm 3 months	1box of 100
Time indicator label	Time Strip Non reversible time indicator label 19 x40mm 6 months	1box of 100
Time indicator label	Time Strip Non reversible time indicator label 19 x40mm 12months	1box of 100
Time indicator label	Time Strip Non reversible time indicator label 19 x40mm 1month	1box of 100





**Physical Properties:**

(Not for specification purposes)

	Low Temperatures (171°C and below)	Mid Temperatures (177°C to 210°C)	High Temperatures (210°C+)
Adhesive Type	Acrylic	Modified Acrylic	Modified Acrylic
Carrier	Polyester	Tissue	Tissue
Covering Film	Polyester	Kaladex	Polyimide
Colour Change Material	Non-toxic, white crystalline solid on a black absorbent backing, adhered with acrylic adhesive		
Tolerance	29 to 99°C = ±1°C, 100 to 154°C = ±1.5°C and 160 to 280°C = ±1% +1°C		
Shelf Life	Temperatures from 29 – 34°C / 84 – 93°F = 6 months storage life, providing they are stored in a refrigerator inside a sealed bag. Temperatures from 37 – 49°C / 99 – 120°F = 12 months storage life, providing they are stored in a refrigerator inside a sealed bag. Temperatures from 54 – 290° / 130 – 554°F = 24 months storage life, store at room temperature & Humidity (i.e. 20°C/68°F & 50% relative humidity)		

RS Order Code	Description	Temperatures	Dimensions
286080	4 Level Micro Range 1	40-46°C	4mm x 11mm
286096	4 Level Micro Range 2	49-65°C	4mm x 11mm
286103	4 Level Micro Range 3	71-88°C	4mm x 11mm
286119	4 Level Micro Range 4	93-110°C	4mm x 11mm
286125	4 Level Micro Range 5	116-132°C	4mm x 11mm
286131	4 Level Micro Range 6	138-154°C	4mm x 11mm

