



## Product Data Sheet – Thermax Irreversible Labels

**Product Description:** A range of temperature test strips that will record, permanently, the highest bracketed temperature reached by the label.

**Standard Range:** Various styles of labels are produced to cover temperatures between 29 and 290°C

**Physical Properties:**  
(Not for specification purposes)

	Low Temperatures (171°C and below)	Mid Temperatures (172°C to 210°C)	High Temperatures (211°C to 260°C)	Very High Temperatures (261°C +)
Adhesive Type	Acrylic	Modified Acrylic	Modified Acrylic	Pure Acrylic
Carrier	Polyester	Tissue	Tissue	None
Covering Film	Polyester	Polyethylene Naphthalate	Polyimide	Polyimide
Response Time	2 to 5 seconds			
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 = <b>6</b> months storage life, providing they are stored in a refrigerator (≤10°C/50°F) inside a sealed bag. Temperatures from 37–49°C / 99–120°F = <b>12</b> months storage life, providing they are stored in a refrigerator (≤10°C/50°F) inside a sealed bag. Temperatures from 50-290°C / 122-554°F = <b>24</b> months storage life, store at room temperature & Humidity (i.e. 16 to 27°C/60 to 80°F & 40 to 60%RH)			

**Application Data:** Peel temperature-indicating label from backing paper. Apply to dust & grease free surface. Indicators change from white/grey to black when the temperature rating has been achieved. Note that labels with a polyimide film will appear orange to start.

**These products are made to the highest standards however they are not suitable for all applications. Please discuss any specific needs with our team.**

Information in this Product Data Sheet is compiled from our general experience and data obtained from various technical publications. While we believe that the information provided herein is accurate at the date hereof, no responsibility for its completeness or accuracy can be assumed. The information is provided solely for consideration, investigation and verification by the user. Customer must test the products to ensure they meet their needs and are suitable for use in their process.

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