

Temperature label for Vacuums

Irreversible

RoHS Compliant

POINT!! Check temperature in 1Pa to normal pressure environments at a single glance

Features

- Temperature monitoring labels for use in 1Pa to normal pressure environments.
- Monitor temperature without wires or power simply by affixing the label to the area where temperature is to be monitored.
- The temperature-indicating part changes color irreversibly from pale yellow to black when the specified temperature is reached, allowing the temperature history to be traced.
- Measurements with color-change accuracy of $\pm 2-4^{\circ}\text{C}$ are possible even under reduced pressure.
- Labels are made using low-outgassing materials to reduce the release of outgas.



* We can see the area has been heated to around 105°C.

Type	Temperature combination °C	Before color change	After color change	Color-change accuracy	JAN code
VL-40	40-45-50-55	Pale yellow	Black	$\pm 2^{\circ}\text{C}$	4582130423202
VL-60	60-65-70-75	Pale yellow	Black		4582130423219
VL-80	80-85-90-95	Pale yellow	Black		4582130423226
VL-100	100-105-110-115	Pale yellow	Black		4582130423233
VL-120	120-125-130-135	Pale yellow	Black	$\pm 4^{\circ}\text{C}$	4582130423240
VL-140	140-150-160-170	Pale yellow	Black		4582130423257
VL-180	180-190-200-210	Pale yellow	Black		4582130423264

10 labels per box

Irreversible

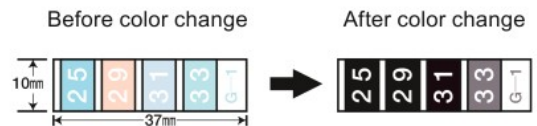
Thermo Proof

RoHS Compliant

(some non-compliant)

Features

- Thermo Paint™ in label form.
- Special adhesive on the backing enables affixing to surfaces.



* Colors shown are approximate colors.

Type	Indication	Color-change temperature	Original color	Color-change	JAN code
G-1	25	250°C	Light greenish blue	Reddish gray	4582130422120
	29	290°C	Light pink	Black	
	31	310°C	Bright bluish gray	Brown-black	
	33	330°C	Light blue-green	Gray-black	
G-2	※36	360°C	White	Brownish gray	4582130422137
	41	410°C	Blue	Brown white	
	44	440°C	White	Greenish gray	
	45	450°C	Purple	White	

※ Non-RoHS Compliant

10 labels per box

Caution on Use

- For color-change characteristics, refer to the technical brochure for irreversible Thermo Paint™.
- Store in a dark place at room temperature.
- At temperatures below 20°C, the flexibility of labels may deteriorate, causing cracks to appear.
- At temperatures below 15°C, the adhesive power of labels may deteriorate and they may no longer stick. In such instances, adjust the temperature of both the label and target surface to around 25°C.
- The adhesive power of labels deteriorates over time. You are advised to use the labels as soon as possible after purchase.
- Products should be used within 1 year of purchase.