

Temperature-sensitive Color Tape

M27

Application

- Used for discoloring warning for high temperature of cables up to 35kV and also for insulation and phase identification. It's suitable for hazard identification and cable maintenance.
- Only for indoor use.

Color Standard

- Red, Yellow and Green (Support customization)

Feature

- Temperature indication
- Phase identification
- Insulation

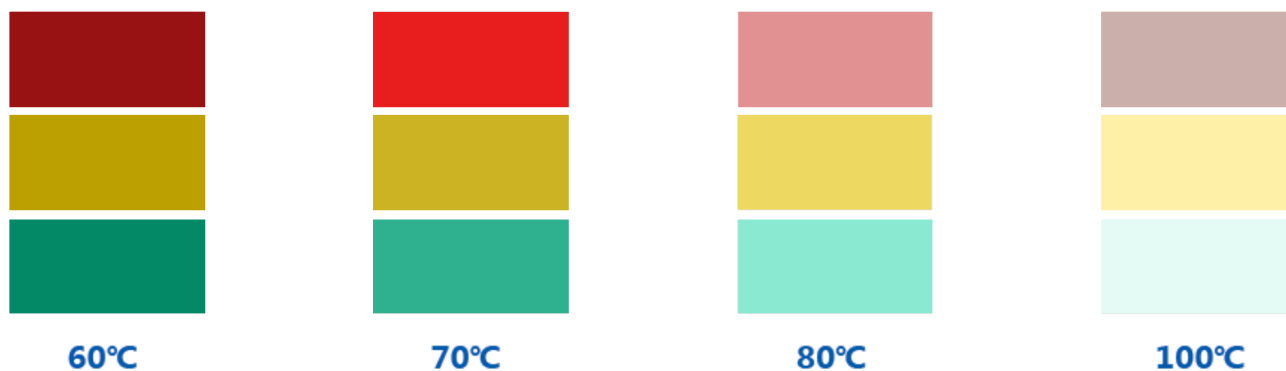
Shelf Life

- 3 years (Recommend use within 2 years)

How to Use

- Remove greasy dirt on the applied subject, keep the surface clean and dry.
- Stretch the tape to twice its original length, then wrap with half lapping from the beginning to end.
- Use PVC tape to double wrap at the end position.
- Press the wrapped tape to ensure the layers bond tightly.

Color Reactions to Temperature Changes



Type

Type	Dimension(mm) Thickness x Width x Length	Pack
M27	0.4 x 25 x 3000	144rolls/ctn

Technical Data

No.	Test	Standard	Requirement
1	Tensile Strength	GB/T 528	$\geq 3\text{MPa}$
2	Elongation at Break	GB/T 528	$\geq 800\%$
3	Breakdown Strength	GB/T 1695	20kV/mm
4	Volume Resistivity	GB/T 1692	$1.0 \times 10^{12} \Omega \cdot \text{cm}$
5	Initial Color Change Temperature	UL 224	70
6	Metal Corrosion	UL 224	No corrosion(80 /168h)
7	Change of Tensile Strength(after aging)	GB/T 2951.12 & GB/T 528	$\pm 30\%$ (150 /168h)
8	Elongation at Break(after aging)	GB/T 2951.12 & GB/T 528	$\pm 30\%$ (90 °C/168h)
9	Self-adhesive	GA 478	No loose adhesion
10	Breaking Elongation at Low Temperature	GB/T 2951.14	300% (-40°C)