

VTA

 TIS 386-2531

LEAD FREE PVC PLASTIC ELECTRICAL INSULATION TAPE



SCOPE :

This specification covers Lead Free PVC plastic electrical insulation tape to be used in electrical service at temperature 0 ~ 80° C.

The tape shall be used for insulation of jointed splices of cables and wires. The tape must have good insulation properties, heat, weather, flame resistance, and lead free materials for environment, suitable for tropical country.

STANDARD :

The Lead Free PVC plastic electrical insulation tape shall be manufactured and tested in accordance with TIS 386-2531

Dimension

- 1) Thickness (mm) $0.125 \pm 0.025, 0.18 \pm 0.025$
- 2) Width (mm) 19 ± 1.0
- 3) Length (m) 10 ± 1.0
- 0

PROPERTY AND REQUIREMENTS	PACKING
1) Electrolytic corrosion after 24h at $27 \pm 2^\circ \text{C}$ and $93 \pm 2\%$ relative humidity $(\Omega) \geq 10^{11}$	The Lead Free PVC plastic electrical insulation tape shall be packing in paper core Cellophane and shrinkage wrapped.
2) Penetration at elevated temperature $(^\circ\text{C}) \geq 50$	
3) Flammability non-ignitable or self-extinguishing	
4) Thermal endurance no-crack	1) Dimension of each roll
5) Tensile strength (N/10 mm width/mm thick.) ≥ 150	: Diameter (cm) 5.8
6) Adhesion to steel (N/10 mm width/mm thick.) ≥ 1.8	Width (cm) 1.9
7) Adhesion to backing (N/10 mm width/mm thick.) ≥ 1.8	2) Weight of each roll (approx.)
8) Shear adhesion after immersion in water (N) ≥ 18.0	: Net (kg) 0.036
9) Electric strength	Gross(kg) 0.037
- after 24 hour at $27 \pm 2^\circ \text{C}$	3) Number of roll in each package (Rolls) 10
and $65 \pm 5\%$ relative humidity $(\text{kV/mm}) \geq 40$	4) Number of package in one case (Package)10
- after 24 hour at $27 \pm 2^\circ \text{C}$	5) Dimension of each case : WxLxH (cm) 12.5x30x19.5
and $93 \pm 2\%$ relative humidity $(\text{kV/mm}) \geq 35$	6) Gross weight of each case (appo (kg) 4