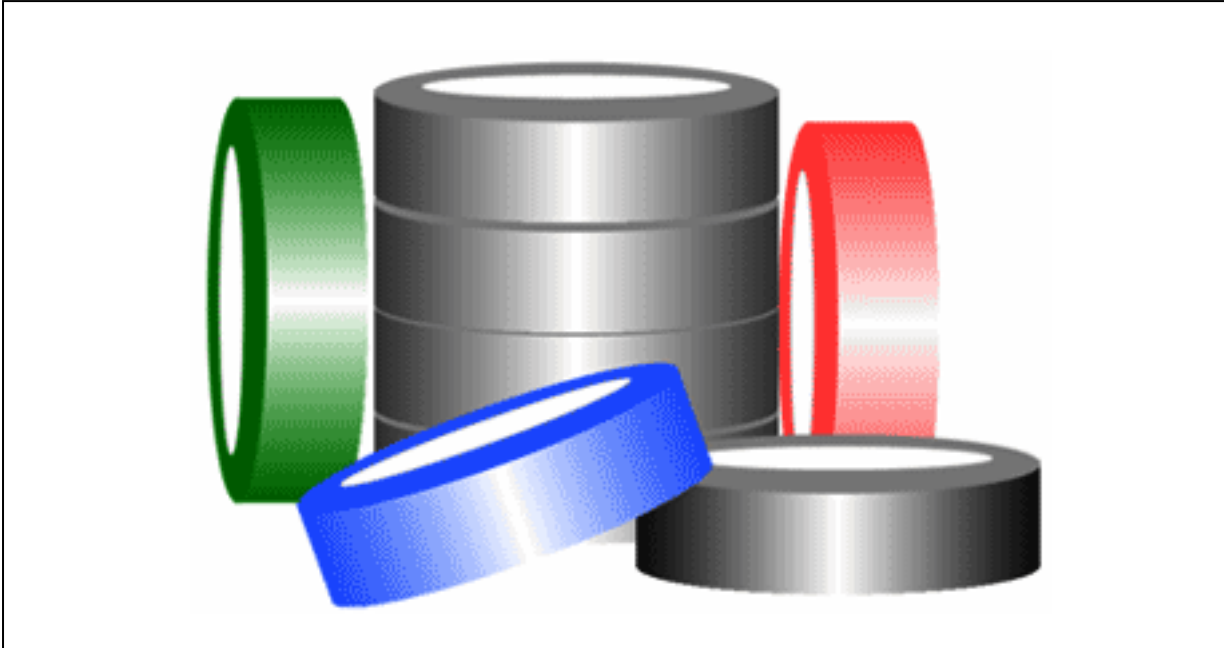


**LEAD FREE PVC PLASTIC ELECTRICAL INSULATION TAPE****SCOPE:**

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, 0.18 ± 0.025 |
| 2) Width     | (mm) | 19 ± 1.0            |
| 3) Length    | (m)  | 10 + 1.0<br>- 0     |

## PROPERTY AND REQUIREMENTS

1) Electrolytic corrosion after 24h		
At $27 \pm 2^{\circ}\text{C}$ and $93 \pm 2\%$ relative humidity ( $\Omega$ )		$10^{11}$
2) Penetration at elevated temperature ( $^{\circ}\text{C}$ )		
		50
3) Flammability		
		non-ignitable or self-extinguishing
4) Thermal endurance		
		no-crack
5) Tensile strength	(N/10 mm width/mm thick.)	150
6) Adhesion to steel	(N/10 mm width/mm thick.)	1.8
7) Adhesion to backing	(N/10 mm width/mm thick.)	1.8
8) Shear adhesion after immersion in water	(N)	18.0
9) Electric strength		
- after 24 hour at $27 \pm 2^{\circ}\text{C}$		
and $65 \pm 5\%$ relative humidity	(kV/mm)	40
- after 24 hour at $27 \pm 2^{\circ}\text{C}$		
and $93 \pm 2\%$ relative humidity	(kV/mm)	35

## PACKING :

The Lead Free PVC plastic electrical insulation tape shall be packing in Paper core Cellophane and shrinkage wrapped.

1) Dimension of each roll: diameter	(cm)	5.8
Width	(cm)	1.9
2) Weight of each roll (approx.) : Net	(kg)	0.036
Gross	(kg)	0.037
3) Number of roll in each package	(Rolls)	10
4) Number of package in one case	(package)	10
5) Dimension of each case : WxLxH	(cm)	1.25x30x19.5
6) Gross weight of each case (approx.)	(kg)	4