



T1 Compound Insulation Heat Shrinkable Tape

Features

- Cross-linked polyolefin outer layer
- Pre-coated adhesive inner layer
- Conforms to irregular shaped objects
- Protects against accidental flashover
- Reduces bus bar clearance requirement
- Compatible with most other insulation materials
- Operating temperature: -40~105 °C
- Shrink temperature: 125 °C
- Voltage class: ≤ 36 KV
- Flame retardant
- RoHS compliant

Technical Data

	Property	Test Method	Values
Physical	Tensile strength	ASTM D2671	≥ 10.4 MPa
	Breakdown elongation	ASTM D2671	$\geq 200\%$
	Tensile strength	ASTM D2671	≥ 8 MPa
Aging (136°C /168hrs)	Breakdown elongation	ASTM D2671	$\geq 160\%$
	Low temperature flexibility(-40 °C/4hrs)	ASTM D2671	No cracking
	Water absorption	ASTM D570	$\leq 0.5\%$
Electrical	Volume resistivity	ASTM D2671	$\geq 10^{14}$ Ω.cm
	Dielectric strength	ASTM D2671	20~25 kV/mm
	Dielectric constant	GB 1049	2.5~3.5
	Lighting impulse withstand voltage	GB 311	75 kV/10 times
	Peak / short time withstand current	GB 2706-89	31.5 kA/4s 80.0 kA, peak
Chemical	Flammability	ASTM D2863	OI ≥ 27
	Corrosion (23°C,humidity 95% for 4 hrs)	ASTM D2671	Pass

Dimensions

Reference UPM T1	Voltage class (KV)	Tape thickness (mm)	Tape width (mm)	Standard length m/spool
T1-25A	6~15	0.8~1.0	25	5
T1-25B	24~36	1.3~1.5	25	5
T1-50A	6~15	0.8~1.0	50	5
T1-50B	24~36	1.3~1.5	50	5

Typical application

- Ideal for emergency repair of electrical power system
- Suitable for insulation and protection of odd-shaped electrified objects, where tubing/sleeve shaped materials are not applicable

Ordering

- Standard color : Black, Yellow, Red, Green
- Standard packaging by spools. Tape width: 25mm and 50mm are available
- Please provide specification, color, and quantity when ordering

Cross reference

- Raychem/ Tyco : HVB T



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