

M525W

SELF-CURING WATERPROOFING AND INSULATING TAPE



WHAT IS M525W

M525W Self-curing waterproof & insulation protective tape is a special material curing at ambient temperature to expedite installation. It is widely applied in bare overhead lines for its excellent UV-resistant performance.

KEY FEATURES

- Excellent flexibility to follow irregular surface
- Outstanding UV-resistance
- Excellent insulation
- Good heating resistance and flame retardant performance
- Ambient temperature curing
- Well adhesion to metals

APPLICATION

- Insulation treatment on bare overhead lines or any bare spots at insulated overhead lines.
- Sealing and insulation protection of PG clamp in overhead lines.
- Sealing and insulation protection of exposed metal parts of connection point between overhead line and switch or transformer.

COLOR

Black (also can be customized to yellow, green, or red)

HOW TO USE

1. Remove the oil and dust on the object. Keep the surface clean and dry.
2. Unpack M525W, peel off its film from one side, wrap on the object, then peel off its film from the other side.
3. Wrap M525W tightly on the object, and ensure more than 5mm overlap.

TYPE

Type	Pack(pcs)		Box Dimension(mm)	Carton Dimension(mm)
	pc/box	pc/ctn		
M525W-1.8x90x600	6	60	710x165x28	730x335x160

TECHNICAL DATA

Items	Requirement
Operating time (curing time after unpacking)	60 mins
Breakdown voltage up to 18kV	3 hours

Items	Requirement
Curing time(surface-cured)	24 hours
Curing time(completely-cured)	7 days

Note: Above technical data are under the condition of 20°C temperature and 50% humidity.

Shelf life: 12 months after production.

Storage condition: 0°C~30°C, Keep in dry and dark place.

Test	Typical Value
Breakdown voltage (1.8mm thickness)	35.3kV
Breakdown voltage at power frequency	31kV
Dielectric constant	3.4
Dielectric loss factor	0.004
Flame retardant property	V-0
Volume resistivity	$3.4 \times 10^{15} \Omega \cdot \text{cm}$

Test	Typical Value
Resistant to fluorescent UV aging	No abnormality, no cracking for 1000h
Voltage-withstand test in water	Immerse the sample in water, then apply 12kV voltage for 4h, no breakdown.
Cold - Hot alternating test (-40°C ~ 85°C)	Put the sample into high or low temperature test chamber for 24h alternately, repeat 6 times.
Application temperature	-20°C ~ +80°C

Note: Above technical data is under the condition of completely cured.