

WOER WOER Self-adaptive Weathering Resistance&Water Proofing Tape



I Product Introduction

WOER self-adaptive weathering resistance&water proofing tape is an independently developed tape for waterproofing and insulation. It has excellent insulation and water proofing features, which facilitate widely application on cable, optical cable, overhead line and exposed metal conductor insulation and protection up to 35kV. It is used to enhance electrical products' insulation and avoid electrical incidents caused by aged electrical products, to eventually improve insulation in power distribution network.

Simply wrap the tape over the area to be protected, and the tape will be cured and forms a layer of excellent insulation and waterproofing after exposed to air. Simple operation makes it easy for quick repair jobs without special tools.

It is available to tailor or reshape the tapes as required on site.

II Product Features

- Cured when exposed to air;
- Easy to install without special tools especially high above the ground;
- Good high and low temperature resistance provide convenience for operation under all weather.
- Good UV resistance and reliable adhesion;
- Quick self-fusing upon stretching and excellent water proofing;
- Refine and even composition makes better insulation performance

III Product size

Product dimension I : 600mm×90mm×1.8mm
 Product dimension II : 1000mm×90mm×1.8mm
 Product dimension III : 170mm×120mm×1.8mm

Remark: Customization is available for request.

IV Technical Parameters

NO.	Item(Before cured)	Typical value
1	Use in_ after unpack	30min
2	Fully cured	7d
3	Product packed in	tape
4	Color	red, yellow, green, black
Item (After cured)		
6	Hardness Shores A	49
7	Tensile strength MPa	1.75
8	Elongation at break %	370
9	Dielectric strength /kV(2mm)	36.17
10	Volume resistivity $\Omega \cdot \text{cm}$	1.41×10^{25}
11	Dielectric constant	3.08
12	Dielectric loss	0.0014
13	Flame retardant grade	V1
14	Water proof and voltage withstanding test(20kV,4 h)	Pass

V Application

- Waterproof and sealing for overhead lines; Enhance safe clearance for better insulation;
- Insulation and protection of exposed power cable conductors;
- Partial insulation repair for overhead line and cable termination;
- Switchgear inlet sealing, especially for outdoor application;
- Waterproofing of antennas, feeders, splitters, towers and other facilities in the construction of 4G and 5G base stations;
- Other power and water proofing related application, such as high speed railway and boats.

Substation Insulation Applications

