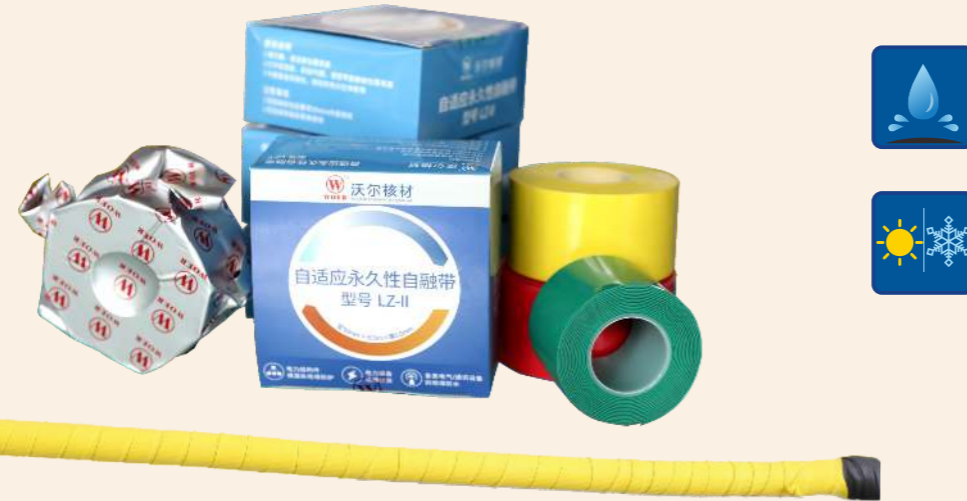


WOER WOER Self-adaptive Permanent Self-fusing Tape



I Product Introduction

WOER Self-adaptive Permanent Self-fusing Tape is an independently developed wrapping tape of insulation and protection. It combines both characters of traditional cross-linked self-fusing tape and self-curing products, which enables second chemically cross-linking upon tape wrapping. 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.

Simply wrap the tape over the area to be protected by 50% lapping evenly, 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.

II Product Features

- Cured when exposed to air;
- Easy to install without special tools especially high above the ground;
- Good UV resistance and reliable adhesion;
- Permanent phase marking under outdoor application;
- Quick self-fusing upon stretching and excellent water proofing;
- Stable electrical performance under overloading service;
- Stable low and high temperature resistance, from -60°C-200°C;
- Good flame retardant performance, which ensure good fire insulation;
- Long service life. No fall-off up to 10 years.

III Product size

Product dimension I : 0.8mm*50mm*5000mm (red/yellow/green)
 Product dimension II : 0.8mm*100mm*5000mm (red/yellow/green)

Remark: Customization is available for request.

IV Technical Parameters

NO.	Item	Typical value	
		Before cured	After cured
1	Use in__ after unpack	1h	
2	Fully cured	7d	
3	Product packed in	tape	
4	Warranty period	1 year	
5	Typical value	Before cured	After cured
6	Hardness Shores A	8	49
7	Tensile strength MPa	0.90	4.47
8	Elongation at break %	1120	500
9	Dielectric strength kV/mm	33.62	41.66
10	Volume resistivity	1.4×10^{12}	3×10^{16}
11	Dielectric constant	4.70	2.79
12	Dielectric loss	0.05	0.0006
13	Self bonding	Pass	\
14	Thermal stress resistance	Pass	\
15	Flame retardant grade	\	V0
16	Water proof test(IPX8)	\	Pass
17	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;
- HV substation insulation and protection: busbars, soft connection and electric reactor;
- Other power and water proofing related application, such as high speed railway and boats.
- Other insulation and protection applied in 380V-330kV, such as HV power transmission and distribution, busbar bridge.

Substation Insulation Applications

