

## WOER Self-adaptive Weathering Resistance & Water Proofing Tape



### 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. It can be also used to water-proofing protection for telecommunication equipments, such as the joints of outdoor base station, antenna, optical divider, coupler, tower defense, GPS, integrated cabinet.

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.

### Product Features

- ☐ Cured when exposed to air;
- ☐ Easy to install without special tools especially high above the ground;
- ☐ Good UV resistance and reliable adhesion;
- ☐ Quick self-fusing upon stretching and excellent water proofing;
- ☐ Refine and even composition makes better insulation performance

### Product size

Product dimension: 600mm×90mm×1.8mm  
1000mm×90mm×1.8mm  
170mm×120mm×1.8mm

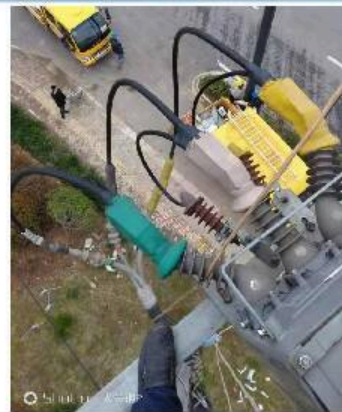
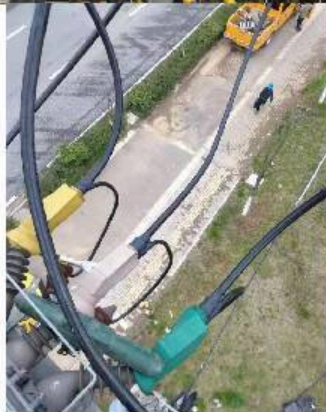
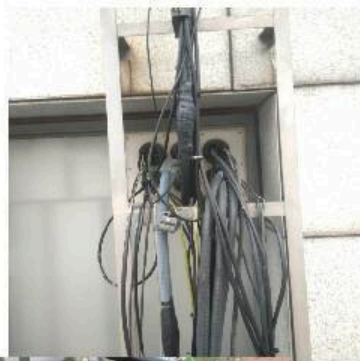
Remark: Customization is available for request.

## 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
5	Item ( After cured)	
6	Hardness Shores A	49
7	Tensile strength /MPa	1.75
8	Elongation at break %	370
9	Dielectric strength kV/mm	36.17
10	Volume resistivity $\Omega \cdot \text{cm}$	$1.41 \times 10^{15}$
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
15	Storage Duration	1 year

## 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.



## Preparation before installation:

- ☐ Under the temperature of -20°C~40°C;
- ☐ No installation under oil mist, sandstorm and strong wind;
- ☐ Keep the metal surface dry and clean;
- ☐ Preparation for all safety assurance and labor protection;
- ☐ Check if there is any damage on vacuum package, replace it with a new one if any.

## Surface Cleaning:

- ☐ Clean the area to be applied with alcohol tissue, wipe off all the oil and dust, and wait for the alcohol to dry out;
- ☐ Use manual or electric tools to polish the burrs on metal surfaces and to smooth out the electric field;

## Installation Instruction 1

Especially for overhead lines, cables and metal conductors.

**1**  
Step



Make sure the package is intact, and then unpack the product with a scissor in three sides, take out the tape;

Take off the release liner above on one side of the tape. Align the side without the release liner with the area which shall be prepared.



**2**  
Step

**3**  
Step



Take off the release liner above the tape. Apply the tape on the area and wrap carefully around it. Exhaust the air while wrapping.

Press it tightly and apply it properly, check if there is gap in the joint area.



**4**  
Step

## Installation Instruction 2

Especially for irregular-shaped metal parts.

**1**  
Step



Make sure the package is intact, and then unpack the product with a scissor in three sides, take out the tape;

Take off the release liner from both sides of the tape and grasp one end of the tape uprightly and keep the tape away from any contamination.



**2**  
Step

**3**  
Step



Apply the tape on the area and wrap carefully around it with overlap.

Exhaust the air while wrapping.



**4**  
Step

**5**  
Step



The end of the wrapping must be a smooth, flat or a circular surface without protrusions and it must be wrapped back to the body, press it for 2-3 seconds until tape completely has been bonded without gaps. If there are big metal parts encountered, multiple tapes can be applied.

### Attention:

- ☐ This product contains chemical materials. Do not swallow;
- ☐ This product shall be stored in dry place under storage temp 0°C~30°C;
- ☐ Unpack the product with a scissor in three sides, take out the self-fusing tape, avoid folding;
- ☐ After unpacking the product from vacuum package, use it immediately;
- ☐ If the product is not smooth or there is overflow partially, it will not affect the use.

## TEST REPORT:






中国认可  
国际互认  
检测  
TESTING  
CNAS L702

**测试报告**

编号: GZIN2003007592MR\_CN

日期: 2020-03-26

页码: 1 of 6



客户名称: 杭州西湖水处理有限公司

客户地址: 杭州西湖区新市街沙雅路工业园

样品名称: 食品级耐水性水贴

规格: 1.6mm

材质: 硅橡胶

以上信息经本所与客户代表确认, 确保本所检测结果的准确性、适当性和完整性。

SGS 注册号: 37 IN2003007592MR\_CN

收样日期: 2020-03-10

测试开始时间: 2020-03-18

测试结束时间: 2020-03-26

测试地点: 请见下页

湖州西湖水处理有限公司, 湖州分公司  
检测中心

授权签字人: 

邵品妮

\*此报告仅对送检样品负责, 不作为其他用途。本报告中所有数据均经本公司审核, 不可用于其他用途。



SGS is a member of the SGS Group, a global network of independent member companies operating under the SGS Group of Companies. The SGS Group of Companies is a global network of independent member companies operating under the SGS Group of Companies. The SGS Group of Companies is a global network of independent member companies operating under the SGS Group of Companies.



### 测试报告

编号: GZIN2003007592MR\_CN

日期: 2020-03-26

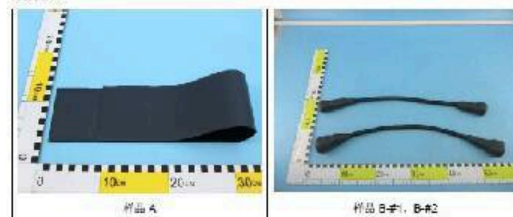
页码: 2 of 6

#### 检测项目

序号	检测项目	测试方法	结果	备注
1	食品级耐水性水贴	GB/T 2423.22-2012 试验 Na B GD/T 5414.1 A111 组时(快速测试)	详见结果	
2	IPX8	GB/T 4208-2017	力-1.9度水	

备注: 合格: 检测要求  
不合格: 未达检测要求  
无: 未检测

#### 检测照片



SGS is a member of the SGS Group, a global network of independent member companies operating under the SGS Group of Companies. The SGS Group of Companies is a global network of independent member companies operating under the SGS Group of Companies. The SGS Group of Companies is a global network of independent member companies operating under the SGS Group of Companies.

Marked with the SGS logo is SGS Group