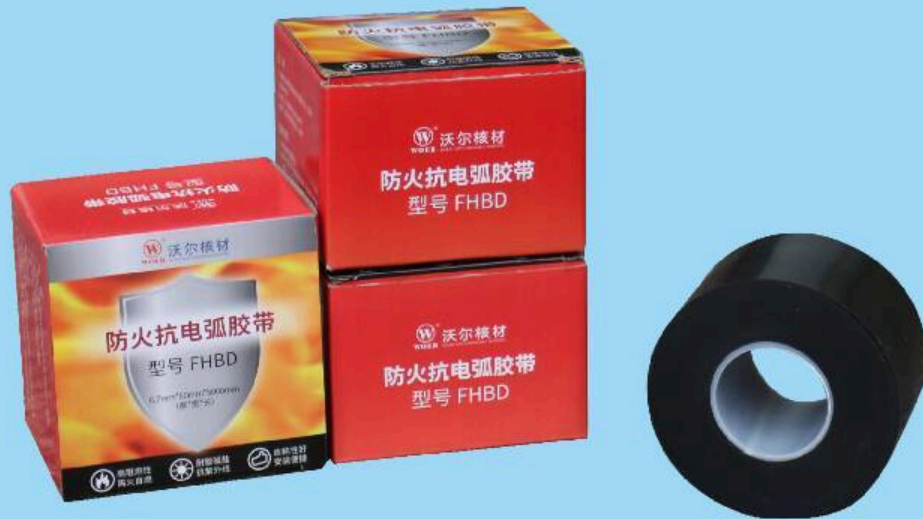


## WOER Self-adhesive Flame retardant and Arc-proofing tape



### Product Introduction

Self-adhesive flame retardant and arc proofing tape is a self-adhesive tape with fireproof, heat insulation and arc resistance, specially used for fireproofing of cable joints and adjacent power line.

Self-adhesive flame retardant and arc proofing tape will expand rapidly when exposed to fire, and a thick carbon compound all over the cable oversheath, to eventually maintain heat insulation and fire prevention. Moreover, this tape has excellent arc resistance. In the event of arc caused by short circuit, followed by fire, it can act as a barrier and guarantee the safe operation of cables.

### Product Features

- ☐ The product has excellent flame retardant function with high oxygen index. The flame on the tapes will be extinguished right after being deviated from fire source, and then the tapes can act as heat shield or fire-proof plate, in that case, the flame can't spread and the cable can be well protected;
- ☐ Excellent self-adhesive function when spirally wrapped on cable surfaces. No other accessories are needed to fix the end of tapes;
- ☐ Excellent formability, the product is shown as a form of elastomer without any rigid or hard fiber. Hand injury can be well avoided with quality material. The product is also easy to install;
- ☐ The product can be spirally wrapped easily without any wrinkles, and also fits cables and irregular-shaped accessories perfectly;
- ☐ Excellent function of waterproofing, acid resistance, alkali resistance, salt tolerance and UV-stability, all of these can offer long-term protection for cables;
- ☐ Thinner and lighter application can significantly reduce the cable load.

### Product Size

Product dimension: : 5000mm×60mm×0.7mm

Remark: Customization is available for request.

## Technical Parameters

No.	Property	Typical value
Mechanical Capacity Before Aging		
1	Tensile strength MPa	6.1
2	Elongation at break %	630
Mechanical Capacity After Aging (Condition: 100°C ± 2°C/168h)		
3	Max Change of tensile strength after aging %	6.6
4	Max Change of Elongation at break after aging %	14
5	Low temperature tensile strength (-15°C ± 2°C) %	163
6	Water resistance	Soaked for 15d, no foaming, no wrinkles, no lamination, no crack
7	Acid resistance	Soaked for 7d, no foaming, no wrinkles, no lamination, no crack
8	Alkali resistance	Soaked for 7d, no foaming, no wrinkles, no lamination, no crack
9	Salt tolerance	Soaked for 7d, no foaming, no wrinkles, no lamination, no crack
10	Self-adhesive	No shedding
11	Oxygen index %	50.6
12	Carbonized height m	0.58
13	Dielectorni Strength kV/mm	25.31
14	Flame resistance	FV-0
15	Shelf life	2 years

## Application

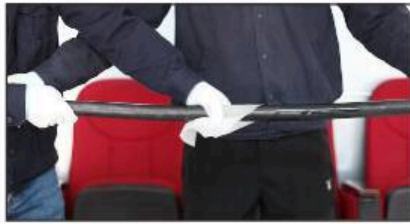
- ☐ For fire prevention of cables joints and terminations;
- ☐ Fire prevention of the inlet-outlet lines in switchgear;
- ☐ Fire prevention of piping system;
- ☐ Extra insulation and fire resistance for all fire hazards, the fire caused by arc transmission can be well reduced.





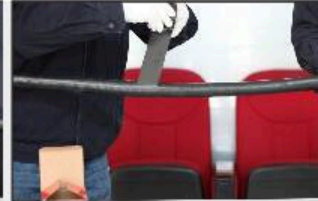
## Installation Instruction.

### 1 Step



Clean the surface of cable, cable joints or other places to be protected;

Unpack the tapes, and remove the from the tape; Spirally wrap the tape from the bottom to the top and also from the connection to the cable side;



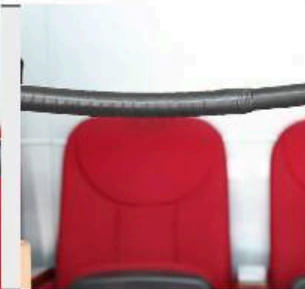
### 2 Step

### 3 Step



There is no front side or back side for the tape. It need to be spread out smoothly when wrapped, and do not fold or overlap;  
Stretching the tape to 200% of its length, and then wrap it with a 50% overlap.

When the tape is finished for wrapping, it has to be a smooth surface without protrusions at the end of tapes. Stretch the tape end and wrap it back to tapes applied previously, then pressing the tape end hard for 2-3 seconds until a good bonding has been maintained between layers.



### 4 Step

## Attention:

- ☐ This product contains chemical materials. Do not swallow;
- ☐ This product shall be stored in dry place under storage temp 0°C~30°C;
- ☐ During the whole process of installing, the operator should keep hands clean, especially oil free on hands; No blister, oily stain or moisture shall be allowed between layers;
- ☐ Press the tape end hard until a good bonding has been maintained between layers.

**检测报告**

报告编号: 7166-4487 样品编号: CACB-8219 检测日期: 2020.11.10

检测机构: 上海慧慧检测有限公司

检测项目: 阻燃性能

检测结果: 符合标准

检测人员: 张华

审核人员: 李华

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