

WOER Flame retardant and Arc-proofing tape



Product Introduction

Flame retardant and arc proofing tape is a non-adhesive tape with fireproof, heat insulation and arc resistance, specially used for fireproofing of cables.

Flame retardant and arc proofing tape will expand rapidly when exposed to fire, and a thick carbon compound will be created between the fire source and the cable or cable joint, to eventually maintain heat insulation and fire prevention. Moreover, this tape has excellent arc resistance.

In the event of arc caused by damaged cable insulation, followed by fire, it can act as a barrier.

Product Features

- ☐ The product is light and thin, is conducive to the heat dissipation of the cable, and is easy to install;
- ☐ High tensile strength, excellent covering;
- ☐ Quality material, with excellent insulation;
- ☐ The product demonstrates fairly good flexibility and formability, suitable for fire protection of complex structures;
- ☐ Excellent arc resistance, which protects adjacent wrapped cables and accessories when the cable suffers from a fault arc.

Technical Parameters

No.	Item	Typical value
1	Color	Black
2	Hardness A	90
3	Tensile strength(room temperature) MPa	17.7
4	Elongation at break(room temperature)%	210
5	Elongation at break (-12℃)%	25.3
6	Tensile strength (-12℃) MPa	120
7	Tensile strength (-18℃) MPa	23.5
8	Elongation at break (-18℃) MPa	83
9	Dielectric strength kV/mm	23
10	Flame retardant grade	V0
11	Oxygen index	32.9
11	Shelf Life	2 years

Application

- ☐ For fire prevention of cables

The product is used on the cables on one or both sides of the cable penetration hole sealing layer, and also on the cables on both sides of the fire barrier or firewall or other similar places. It is recommended that the wrapping length of one layer is more than 2m as shown below:

- ☐ Fire prevention of cable joints

Set fire resistance section for cables and joints. It is recommended to wrap the length of at least 3m on both sides of the joint and corresponding parts of other cables as shown below:

- ☐ Fire prevention of cable terminations

Wrap fireproof and anti-arc tape under the cable termination for at least 2.5m as shown below:

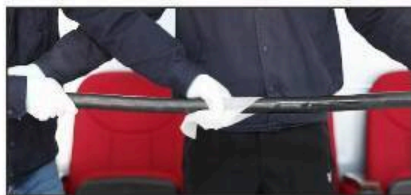
Product Size

Product dimension: 6000mm×50mm×0.76mm

Remark: Customization is available for request.

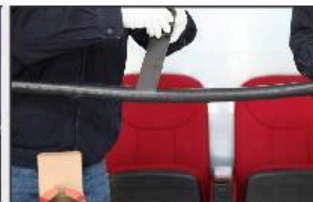
Installation Instruction

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

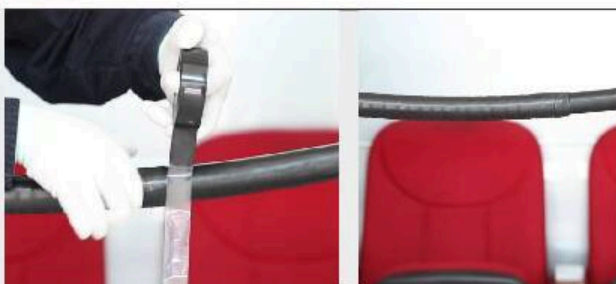
Step

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 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 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.

TEST REPORT:



测试报告

编号 : SZIN2010013467PS_CN
日期 : 2020-11-12
页码 : 1 of 17



客户名称: 深圳市沃尔材料股份有限公司
客户地址: 深圳市坪山区龙田街道三溪北路沃尔工业园

样品名称: 防火抗电弧胶卷
材料牌号: 橡胶

以上信息及样品由客户提供及确认, SGS 不承担对客户所提供信息的准确性、适当性和/或完整性的责任。

SGS 参考号: GZIN2010054790MR_CN; SHIN2010063870MR_CN; SHIN2010087804MR_CN
收件日期: 2020-10-09
测试开始时间: 2020-10-09
测试结束时间: 2020-11-12
测试结果: 请见下页 (除另有特别说明外, 此报告结果仅对测试样品负责)

通标标准技术服务有限公司深圳分公司

数据中心

数据签名

邵伟雄

邓伟雄



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编号 : SZIN2010013467PS_CN
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重要信息:

序号	测试项目	测试方法	结果
1	颜色	客户提供	黑色
2	氧指数	ASTM D2883-19	32.9%
3	邵氏硬度	ASTM D2240-19	A/90/1
4	拉伸测试	GB/T 528-2009	<div style="display: flex; justify-content: space-between;"> <div> 拉伸强度 23℃ 17.71MPa </div> <div> 断裂伸长率 23℃ 210% </div> </div>
5	垂直燃烧	UL 94-2013 Rev 3-2016 第 8 章	V-0
6	击穿电压	ASTM D149-20	23.58 kV

照片照片:





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