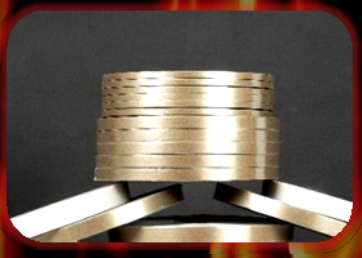
- ST-MG
- ST-MP
- ST-CG
- ST-SG
- JUMBO ROLL

STMAT
嘉兴光通新材料有限公司

Mica Tape for Fire Resistant Cable
防火电缆用云母带



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MICA TAPE INTRODUCTION 耐火云母带简介

Fire resistant mica tape is a good quality electrical insulation material made of mica and reinforced fiberglass cloth, plastic film or other materials, with high temperature resin impregnated adhesive. The melting point of 1200 ~ 1300 ℃. The mica tape is used as a cable fire protection insulation layer, to ensure the cable still run a certain period of time after on file. According to the tape structure , mica tape can be classified into: double-sided, single-sided, triple complex, double film, single film etc. According to mica category it can be classified into : phlogopite mica tape , calcined mica tape and synthetic mica tape etc.

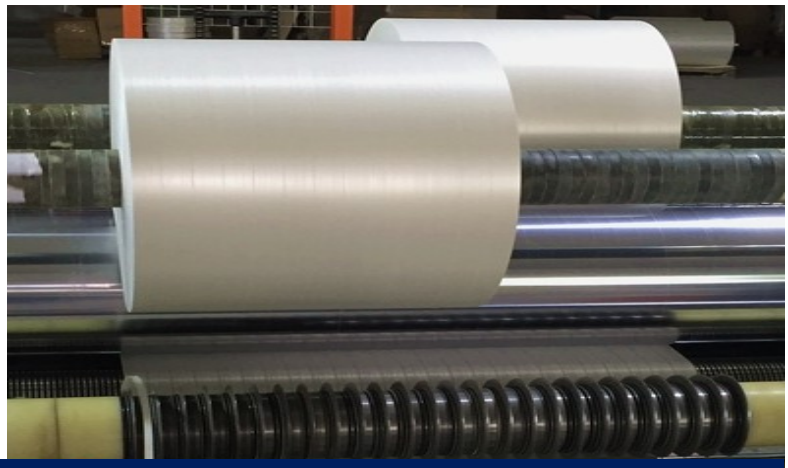
Fire resistant mica tape has excellent high temperature resistance and combustion resistance . Applicable to all kinds of fire-resistant cables as main fire-resistant insulation layer. In the case of fire burning when there is no harmful smoke volatilization, so high-quality mica tape for cable fire is not only effective, but also safe. STMAT mica tape combined with actual requirements of world cable customers over many years, our mica tape meet mainstream cable customer technical standards, and offering following benefits:

•Mica tape production process comply with IEC standards.
•Mica tape keep consistent same quality, meet various technical requirements.
•Mica tape surface without bubbles, pinhole, crease ,crack or other defects, easy to be separated.
•Use high density glass fiber cloth, effectively increasing the tensile strength of mica tape for high-speed wrapping machine.
•Use high-quality mica materials, keep the tape surface firm and not easy fall off.

耐火云母带是由云母与增强玻纤布、塑料薄膜等材料结合，经耐高温树脂胶浸渍粘合制成的电气绝缘材料，其熔点为1200～1300℃，该产品用作电缆的耐火绝缘层，以保证在着火后的一定时间内电缆能继续运行。耐火云母带按结构分为：双面带、单面带、三合一带、双膜带、单膜带等。按云母类别可分为：金云母带、合成云母带、煅烧云母带等。

耐火云母带具有优良的耐高温性能和耐燃烧性能。适用于各种耐火电缆中主要耐火绝缘层。在遇明火燃烧时基本不存在有害烟雾的挥发，所以高质量的云母带用于电缆防火不但有效，而且安全。光通的云母带结合了多年来国内外电缆客户的实际要求，生产的耐火云母带符合主流电缆客户的技术标准，并具有以下优点：

•云母带的生产工艺符合国际电工IEC 标准
•云母带成品每卷保持同样的品质,符合各类技术要求。
•云母带表面无气泡、针眼、折痕、裂缝等缺陷，开卷易分离。
•云母带所用玻纤布密度高，有效增加了云母带的拉伸强度，适用于高速绕带机
•采用优质云母材料，云母带表层不易脱落



JIAXING ST NEW MATERIALS CO.,LTD is a company registered in China working on mica and industrial insulation products. Our products covering from mica sheet, mica tape, jumbo roll, flexible mica slip plane materials for induction furnace, special parts, mica heating elements, plastic enclosures and fire sleeve, vacuum insulation panel and ceramic products.

嘉兴光通新材料有限公司是在中国大陆注册，经营云母和绝缘材料的企业，具备自主进出口权，主要产品包括云母板，电缆云母带和炉体云母卷，云母发热件，塑料配电箱，耐火套管和真空绝缘板，工业陶瓷异形件等产品。

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Width: from 5-1000mm

Length: 300m, 500m, 1000m (in Pad), 3000-10000m (in Spool)

Standard cores: 76mm

Jumbo roll: 1000mm width, available for sale

(Various specifications available according to customers' requirements)

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MICA TAPE ITEM 云母带规格

ST-MG

- Single side reinforce phlogopite mica tape with glass fiber cloth
- 金云母单面玻纤补强云母带

TYPE	UNIT	ST-MG (Phlogopite Mica & Glass fiber cloth)						
Thickness	mm	0.08±0.015	0.1±0.015	0.11±0.015	0.12±0.015	0.13±0.015	0.14±0.015	0.15±0.015
Weight of tape	g/m2	105±10	130±10	145±10	170±15	185±15	215±15	230±20
Mica content	%	>55	>60	>65	>65	>70	>70	>70
Breakdown Voltage	kv	>1.0	>1.1	>1.3	>1.5	>1.7	>2.0	>2.0
Tensile strength	N/15mm	≥150	≥160	≥180	≥200	≥200	≥200	≥200
Binder content	%	13±3	13±3	13±3	13±3	13±3	13±3	13±3
Fire grades	℃	750℃ ~ 950℃ IEC60331 and BS6387						

ST-CG

- Single side reinforce calcined muscovite with glass fiber cloth
- 煅烧云母玻纤补强云母带

TYPE	UNIT	ST-CG (Calcined mica& Glass fiber cloth)				
Thickness	mm	0.11±0.01	0.12±0.01	0.125±0.01	0.13±0.01	0.14±0.01
Weight of tape	g/m2	150±15	170±15	182±15	195±15	220±15
Mica content	%	>60	>60	>60	>60	>60
Glass fiber content	g/m2	28±2	28±2	28±2	28±2	28±2
Breakdown Voltage	kv	>1.5	>1.55	>1.6	>1.6	>1.6
Tensile strength	N/15mm	>180	>200	>200	>200	>200
Binder content	%	20±3	20±3	20±3	20±3	20±3
Fire grades	℃	950℃ ~ 1000℃ IEC60331 and BS6387				

ST-SG

- Single side synthetic mica tape with glass fiber cloth
- 合成云母玻纤补强云母带

TYPE	UNIT	ST-SG (Synthetic mica & Glass fiber cloth)						
Thickness	mm	0.09±0.015	0.1±0.015	0.11±0.015	0.12±0.015	0.13±0.015	0.14±0.015	0.15±0.015
Weight of tape	g/m2	115±10	125±10	140±10	160±15	170±15	205±15	220±20
Mica content	%	>55	>60	>65	>65	>65	>70	>70
Glass fiber content	g/m2	28±2	28±2	28±2	28±2	28±2	28±2	28±2
Breakdown Voltage	kv	>0.9	>1.0	>1.2	>1.4	>1.6	>1.7	>1.9
Tensile strength	N/15mm	≥150	≥160	≥180	≥200	≥200	≥200	≥200
Binder content	%	13±3	13±3	13±3	13±3	13±3	13±3	13±3
Fire grades	℃	950℃ ~1000℃ IEC60331 and BS6387						

ST-MP

- Phlogopite mica tape with PE film on single side
- 金云母单面薄膜补强云母带

TYPE	UNIT	ST-MP (Phlogopite Mica & PE film)					
Thickness	mm	0.1±0.015	0.11±0.015	0.12±0.015	0.13±0.015	0.14±0.015	0.16±0.02
Weight of tape	g/m2	135±10	160±10	170±15	205±15	215±15	220±20
Mica content	%	>65	>70	>75	>75	>60	>60
Breakdown Voltage	kv	>5.0	>5.0	>5.0	>5.0	>5.0	>5.0
Tensile strength	N/15mm	≥130	≥130	≥130	≥130	≥180	≥180
Binder content	%	13±3	13±3	13±3	13±3	10±3	10±3
Fire grades	℃	750℃ ~ 950℃ IEC60331 and BS6387					

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