



Phlogopite mica roll is a result of specially pressed mica product which is made of phlogopite mica paper and silicon resin. The thickness ranges from 0.2mm to 0.8mm, breakdown voltage is above 15kv, tensile strength is above 200N/15mm and temperature resistance is about 800°C.

ST-RMGC are base on phlogopite mica paper reinforced by glass cloth, harmless ceramic fiber according to customers' requirement.

TYPES

- ◆ ST-RMG: phlogopite mica paper with glass fiber cloth on one side.
- ◆ ST-RMGM: phlogopite mica paper with glass fiber cloth inside.
- ◆ ST-RGMG: phlogopite mica paper with glass fiber cloth on double sides.
- ◆ ST-RMGC: phlogopite mica paper with glass fiber cloth and ceramic fiber paper on each side.

金云母卷

光通云母卷在国内属于领先产品。主要以出口为主。金云母卷是由金云母纸、玻璃纤维布与有机硅树脂经特殊工艺压制而成。其厚度介于0.2 - 0.8mm之间，长度为20米到100米，宽度为1米。相对于软质云母板，因加入了玻璃纤维物质，因而具有更强的抗拉能力；相对于云母带其厚度提高，单层抗点击穿能力更强。云母卷主要用于炉体耐高温绝缘材料。

STMAT 云母卷包括以下产品：

- ◆ ST-RMG: 金云母单面玻纤云母卷
- ◆ ST-RMGM: 金云母双面云母云母卷
- ◆ ST-RGMG: 金云母双面玻纤云母卷
- ◆ ST-RCGM: 金云母陶瓷纤维纸云母卷

STMAT

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Glass Fiber Reinforced Phlogopite Mica Roll

金云母玻纤补强云母卷

This is a flexible material made from silicone bonded phlogopite mica paper laminated on one side with closely woven glass fabric. This is an economic grade of induction furnace slip-plane material. The mica provides the smooth slip plane and consequently is usually positioned facing the main refractory lining. The woven glass cloth provides the material with additional mechanical strength and is usually placed against the induction coil.

TYPE	UNIT	ST-RMGM / ST-RGMG / ST-RMG						
Thickness 厚度	mm	0.2±0.03	0.3±0.03	0.4±0.03	0.5±0.03	0.6±0.03	0.7±0.03	0.8±0.03
Weight of tape 带重	g/m ²	310±30	500±30	650±50	850±50	1000±50	1150±50	1350±50
Mica content 云母含量	%	>80	>80	>80	>80	>80	>80	>80
Breakdown Voltage 击穿电压	kv	>2.0	>5.0	>5.0	>5.0	>8.0	>8.0	>8.0
Tensile strength 拉伸强度	N/15mm	≥200	≥200	≥400	≥400	≥400	≥400	≥400
Binder content 粘胶剂含量	%	15±3	15±3	15±3	15±3	15±3	15±3	15±3
Fire grades 耐火等级	°C	750°C ~ 950°C IEC60331 and BS6387						
Application 应用	Designed to separate the refractory lining from the coil in induction furnaces.							
Supply Form 供应形式	Roll width:1000mm, Length: 20m or 25m or 40m							

ST-RMGC: Mica Paper Reinforced By Harmless Ceramic Paper

单面陶瓷云母卷

Product 产品	ST-RMGC
Description 描述	Mica paper reinforced by harmless ceramic paper
Main raw material 主要材料	Phlogopite mica / Ceramic paper
Type of bonding 胶水类型	Silicone resin
Thickness 厚度	2.5mm (2.0mm Ceramica paper / 0.5mm mica roll)
Heat resistance 热电阻	1200°C
Storage 存储条件	Dry
Heat Conductivity 热导率	0.05W/m.k at room T°
Dielectric Strength 击穿电压	>5 KV at room T°
Tracking Resistance 跟踪电阻	Class: KA 3c
Application 应用	Best for preventing heat losses between the refractory lining and the coil in induction furnaces.
Supply Form 供应形式	Roll width:1000mm, Length 12.5m or 20m or 25m

Data are average results of laboratory tests conducted under standard procedures and are subject to variation. These do not constitute a warranty or representation for which we assume legal responsibility.

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