PRODUCTS INTRODUCE+ 产品介绍

云母带/Mica Tape

R-5461 系列云母带 采用优质金云母纸或合成云母纸为基材，玻璃纤维布或无碳性高聚物薄膜作为单面或双面补强材料，用有机硅树脂粘合，经高温烘焙、干燥后，再分切而成的带状产品。云母带主要用于耐火电缆的芯线与外皮之间，发挥耐火绝缘功能。

R-5461 serials of Mica Tape for Fire-resistant Cables consist of phlogopite mica paper (or synthetic mica paper) impregnated with a special silicone resin and a fiber cloth (or Polyethylene film) as supporting agent. These tapes have great flexibility and high tensile strength, and their combined characteristics mean they can be used to create inorganic, fire-resistant insulation for electrical cables.

R-5461 云母带种类 根据使用的云母纸与补强材料的不同，R-5461系列云母带可分为下述类别：

- R-5461-P-GS: 金云母单面玻纤带
- R-5461-P-GD: 金云母双面玻纤带
- R-5461-P-GFD: 金云母玻纤薄膜带
- R-5461-P-FS: 金云母薄膜带
- R-5461-S-GS: 合成云母单面玻纤带
- R-5461-S-GD: 合成云母双面玻纤带
- R-5461-S-GFD: 合成云母玻纤薄膜带
- R-5461-S-FD: 合成云母薄膜带
- R-5461-P-R: 金云母卷

TYPES According to mica paper and support agent, R-5461 mica tape has following different types.

- R-5461-P-GS: Single side reinforce phlogopite mica tape with glass fiber cloth
- R-5461-P-GD: Double side reinforce phlogopite mica tape with glass fiber cloth
- R-5461-P-GFD: Double side reinforce phlogopite mica tape with glass fiber cloth and film
- R-5461-P-FD: Single side reinforce phlogopite mica tape with film
- R-5461-S-GS: Single side synthetic mica tape with glass fiber cloth
- R-5461-S-GD: Double side synthetic mica tape with glass fiber cloth
- R-5461-S-GFD: Double side reinforce synthetic mica tape with glass fiber cloth and film
- R-5461-S-FD: Single side reinforce synthetic mica tape with film
- R-5461-P-R: Phlogopite mica roll

金云母单面玻纤带 Phlogopite mica tape with glass fiber cloth single side

项目Item	单位Unit	R-5461-P-GS				
		0.08mm	0.11mm	0.12mm	0.13mm	0.15mm
外观 Appearance	表面平整，无杂质，无断裂，无褶皱，无补丁 No alien material, No split, scar & hole, No broken folded					
带长 Length	m	500 、 1000 、 2000				
厚度 Thickness	mm	0.08 ± 0.015	0.11 ± 0.015	0.12 ± 0.015	0.13 ± 0.015	0.15 ± 0.015
带重 Weight of Tape	g/m²	110 ± 10	145 ± 10	165 ± 15	180 ± 15	215 ± 15
纸重 Weight of Paper	g/m²	65 ± 4	100 ± 5	115 ± 5	130 ± 5	160 ± 5
玻纤布重量 Weight of glass cloth	g/m²	32 ± 2	32 ± 2	32 ± 2	32 ± 2	32 ± 2
云母含量 Mica Content	%	>60	>65	>65	>70	>70
胶粘剂含量 Binder Content	%	13 ± 3	13 ± 3	13 ± 3	13 ± 3	13 ± 3
击穿电压 Breakdown Voltage	KV	> 1.2	> 1.5	> 1.6	> 1.7	> 2.0
拉伸强度 Tensile Strength	N/15mm	≥130	≥ 180	≥ 200	≥ 200	≥200
耐火特性 Fire Grades	℃	750 ℃ - -800 ℃, IEC331				

特性

- 高温下绝缘性能优良。R-5461-P金云母带在温度800℃、电压1000V环境下，R-5461-S合成云母带在温度1000℃、电压1000V环境下可保证3小时不发生击穿。
- 良好的阻燃性能，产品成份不含石棉，高温下不会产生有毒气体。
- 具有耐酸碱性、抗电晕、抗辐射的特性。成品干爽、无粘连性，具有良好的弯曲性，柔软性，在高速绕包电线电缆时抗张强度高。

CHARACTERISTIC

- Resist extreme thermal stresses and give outstanding fire protection. R-5461-P is made from phlogopite mica paper, retain insulation properties at 800℃;R-5461-S is made from synthetic mica paper, retain insulation properties at 1000℃;
- Incombustible, asbestos free and do not create toxic gasses;
- Excellent tensile strength and shock resistance;

规格

- 厚 度：0.08mm - 0.16mm
- 宽 度：4.5mm - 1000mm
- 长 度：300m，500m，1000m，2000m
- 卷 径：50mm，76mm

AVAILABLE

- Thickness: 0.08mm - 0.16mm
- Width: 4.5mm - 1000mm
- Length: 300m, 500m, 1000m, 2000m
- Standard cores: 50mm, 76mm

Size available according to customer requirement.

储存 室温下保存期1年。

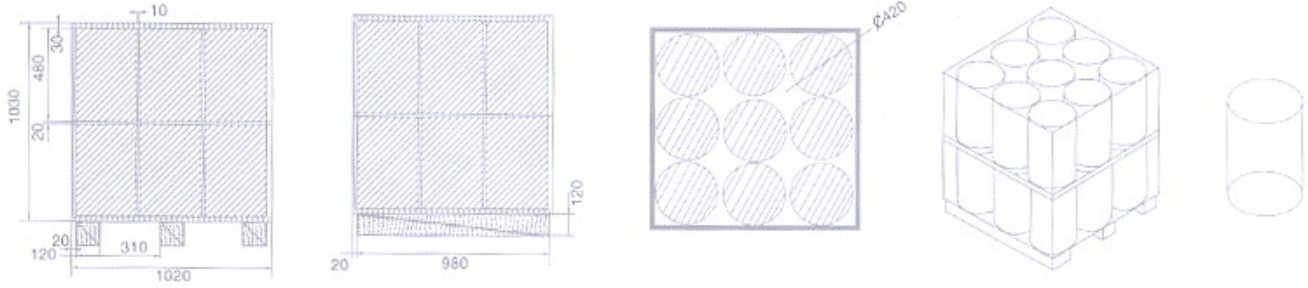
STORAGE Minimum 1 year at room temperature

运用 石油平台、多层建筑物、电站、工业厂房、隧道、计算机中心、航空航天中心、电讯中心、船舶、军事设施…

APPLICATIONS Oil-platforms, Multi-storey buildings, Power station, Industry plants, Subways , Computer centers, Aerospace units, Telecommunication centers, Ships, Military facilities…

包装 出口包装请参照以下示意图：

PACKAGE Please see the following illustration.



双面补强云母带 Double side reinforce mica tape

项目Item	单位Unit	R-5461-S-GD	R-5461-P-GD 0.14mm	R-5461-P-GFD
外 观 Appearance	表面平整，无杂质，无断裂，无褶皱，无补丁 No alien material, No split, scar & hole, No broken folded			
带 长 Length	m	200、300 、500 、1000		
带宽 Width	mm	4.5-1000	4.5-1000	4.5-1000
厚 度 Thickness	mm	0.14 ± 0.02	0.14 ± 0.02	0.14 ± 0.02
带 重 Weight of Tape	g/m²	200±20	220±20	220±20
纸重 Weight of Mica Paper	g/m²	124±5	130±5	130±5
云母含量 Mica Content	%	≥60	≥60	≥60
击穿电压 Breakdown Voltage	KV	≥ 1.5	≥ 1.5	≥ 3.5
拉伸强度 Tensile Strength	N/15mm	≥200	≥200	≥200
胶粘剂含量 Binder Content	%	10 ± 3	10 ± 3	10 ± 3
耐火特性 Fire Grades	℃	950 - -1000, IEC331	750- -800 IEC331	750- -800 IEC331

PRODUCTS INTRODUCE+ 产品介绍

云母卷/Mica Tape Roll

金云母带卷是由金云母纸、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25米至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；相对于云母带因其厚度提高，单层抗电压击穿能力更强。云母卷主要用作炉体耐高温绝缘材料。

MICA ROLL is a result of specially pressed mica product which is made of phlogopite mica and silicon resin. The thickness ranges from 0.2mm to 0.8mm, breakdown voltage is above 15KV, tensile strength is above N/15mm and temperature resistance is above 800℃.

金云母带卷/Phlogopite mica roll

项目Item	单位Unit	R-5461-P-R
厚 度/Thickness	mm	0.2--0.8
密度/Density	g/cm³	1.8±0.2
长度/Length	m/roll	25、50、100
宽度/Width	mm	1000
击穿强度/Dielectric Strength	KV/mm	＞15
拉伸强度/Tensile Strength	N/15mm	≥100
云母含量/Mica Content	%	＞80
胶粘剂含量/Binder Content	%	12±3
耐火特性/Fire Grades	℃	＞800

金云母薄膜带 Phlogopite mica tape with film single side

项目Item	单位Unit	R-5461-P-FS	
		0.10mm	0.13mm
外 观 Appearance	表面平整，无杂质，无断裂，无褶皱，无补丁 No alien material, No split, scar & hole, No broken folded		
宽度 Width	mm	4.5------880	
长度 Length	m	500、1000	
厚 度 Thickness	mm	0.10±0.015	0.13±0.015
带 重 Weight of Tape	g/m²	140±5	205±15
纸 重 Weight of Paper	g/m²	100±5	168±5
薄膜重 Weight of Film	g/m²	24±2	24±2
击穿电压 Breakdown Voltage	KV	> 5.0	> 5.0
拉伸强度 Tensile Strength	N/15mm	≥130	≥130
胶粘剂含量 Binder Content	%	8±3	8±3
云母含量 Mica Content	%	>65	>75
耐火特性 Fire Grades	℃	750 ℃ - -800 ℃, IEC331	

电机云母带

电机云母带是用单面或双面电工无碱玻璃布补强，与优质白云母纸或优质大鳞片云母纸，用环氧树脂粘合而成，

该产品具有强度高，透气性好，在常态下具有良好的柔软性，与优质无溶剂浸渍漆配套使用，特别适用于F级大型高压电机采用VPI工艺时作线圈绝缘。

规格
- 厚 度：0.10mm - 0.16mm
- 宽 度：15mm，20mm，25mm
- 长 度：30m，50m
- 卷 径：50mm，76mm

储存 5℃保存期6个月。

MICA TAPE FOR MOTOR

Mica tape is made of mica paper as base material and epoxy resin as binder to bind on alkali free glass cloth or Ployester as its reinforcing material.

It is perfectly flexible under the normal temperature, and can be processed by vacuum pressure impregnating technology (VPI) together with impregnate resin compatible with the mica and thus be solidified into mica tape after that.

With the high mica content and excellent electrical function, it is noted as the ideal insulation material for the large and medium size high tension electrical machinery processing with VPI technology.

AVAILABLE
- Thickness: 0.10mm - 0.16mm
- Width: 15mm, 20mm, 25mm
- Length: 30m, 50m
- Standard cores: 50mm, 76mm

Size available according to customer requirement.

STORAGE 6 months at 5℃

电机云母带 Mica Tape for Motor

项目Item	单位Unit	电机带 Mica tape for motor
外 观 Appearance	/	表面平整，不粘连、无飞粉 No alien material, No split, scar & hole
卷盘直径 Diameter	mm	95±5 115±5
盘带宽度 Length	mm	15mm 20mm 25mm
厚 度 Thickness	mm	0.14±0.02
带 重 Weight of Tape	g/m²	196±15
云母纸 Mica Content	%	≥60
胶粘剂 Binder Content	%	≤10
玻璃布 Glass Cloth Content	g/m²	20±2
拉伸强度 Tensile Strength	N/cm	≥80
挺 度 Stiffness Strength	N/m	≤60
透气度 Air porosity	s/100ml	≤800
介电强度 Breakdown Voltage	MV/m	≥10