

# PRODUCTS INTRODUCE+ 产品介绍



## 云母加工件 Mica Parts/Tube

### 云母冲件/云母深加工件



荣泰电工冲件与深加工中心拥有30余台冲床、数控车床、铣床与钻床，拥有10余名高级技师。可根据客户要求，进行设计、开模、制造、加工各类云母成型件、垫片等。

若异型件厚度在2mm内的，可用冲床加工成型。若异型件厚度超过2mm的，需用锯、铣、车、钻等手段加工成型。

### MICA LAMINATE & MICA PARTS

Mica laminate and washers made of our own high quality mica plates are used for home appliances, electro-magnets, micro-sensitive control gear etc. and for many other purposes.



### 云母管

云母管是采用云母纸，配以适当胶粘剂，经粘结卷合加工而成的硬质管状绝缘材料。它具有良好电器绝缘性能和较高的机械强度，适用作电器、电机、电冶炉等设备的电极棒或出线套管绝缘。

荣泰云母管采用机械生产，并用电子测量装置进行数据监控，产品具有内外壁光滑，圆整性、匀称性好，强度高、致密性好，最大密度高达2.0g/cm<sup>3</sup>。

云母管的长度为10-1000mm，内径尺寸为8-300mm。

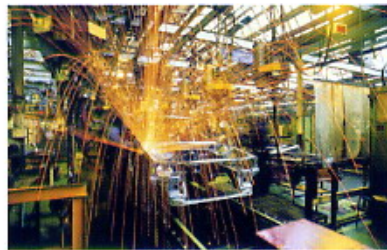
公差标准：一般情况下，我们按内径上公差，外径负公差的标准进行生产。根据客户要求，我们可将公差控制在0.2mm以内。

### MICA TUBE

Mica tube is formed by using muscovite paper or phlogopite paper fixed with silicon resin, and processed by roll form.

It has good dielectric capability and a excellent mechanical strength, is often used as the insulating tube form material in all kinds of electric equipments, motors, furnaces, electric-arc furnaces, other metallurgy industry equipments.

Mica tube is of 10 --1000mm length, the internal diameter is 8 -- 300mm. Special size and tolerance can be determined by agreement.



### 云母管公差标准 Tolerance for Mica Tube

Standard Internal Dia. 云母管径(mm)	Internal Dia. (deviation) 内径允许公差(mm)	External Dia.( deviation ) 外径允许公差(mm)
<10	±0.3	±0.4
10-20	±0.4	±0.5
21-50	±0.5	±0.7
51-100	±0.6	±1.0
101-200	±0.8	±1.2
201-300	±1.0	±1.5

**Note:** special tolerance can be discussed

## 云母纸

非煨烧型云母纸是以优质白云母、金云母或人工合成云母为原料，以机械法制浆抄造而成的连续卷筒纸。根据所用原料不同分为白云母纸、金云母纸和合成云母纸。

云母纸具有纵横向均匀度一致、介电性能好、拉伸强度高、渗透性和透气度好等特点。

## 云母粉

云母粉具有独特的耐酸、耐碱、耐热、不燃和绝缘等特性。在国际、国内市场上用途日益广泛，可应用于建材行业，代石棉制品，还可用于灭火剂、汽车阻尼材料、磨擦器材、密封材料、电焊条、塑料、油漆、涂料、电子产品、油井钻探、珠光颜料等工业领域。

我们供应40-1500目的湿法云母粉与干法云母粉。

## MICA PAPER

Uncalcined Mica paper is made by hydraulic separation process using the best quality of muscovite, phlogopite or synthetic mica, which is first reduced to pulp and then made into the form of paper in rolls. It mainly used for all kind of mica sheets and mica tapes.

Width: 900-1040mm,

Thickness: 0.05-0.30mm,

Inside diameter of pater spool: 76-152mm,

Packing: In wooden case with contents wrapped up in plastic film

## MICA POWDER

Mica Powder in various forms is obtained by grinding/breaking mica scrap, which is a slow, costly and extremely complicated process, because of the scrap being tough and having a plate like structure.

Mica powder is reknowned of its excellent insulation, high temperatures resistant, luster properits, and chemical stability, good flexiblity and toughed.

Application: Mica powder are widely used for daily chemicals (such as cosmetics, carmine and pearl pigment), mica ceramic raw material, paint tim material, plastics and rubber materials, building materials and etc.



## 云母纸 Mica paper

型号 Type	501				506				P506				S506		
定量标称值 Nominal weight (g/m <sup>2</sup> )	82	100	130	160	80	160	250	350	90	170	250	350	105	120	160
平均值偏差 Max.deviation (average value)%	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3
个别值偏差 Max.deviation (single value)%	±2	±3	±4	±5	±2	±3	±3	±3	±3	±3	±3	±3	±3	±3	±3
厚度期望值 Indicative thickness average (mm)	0.055	0.065	0.080	0.1	0.055	0.1	0.15	0.2	0.055	0.1	0.15	0.22	0.07	0.08	0.095
渗透性 Penetration average value s(≤)	70	90	140	160	20	35	70	105	16	40	70	130	10	14	20
介电强度 Dielectric strength Kv/mm (≥)	24	24	24	24	14	14	14	14	12	12	12	12	13	13	13
拉伸强度 Tensile Strength N/cm (≥)	9.8	9.8	11	11	5.2	4.4	5.5	7.0	3.0	4.0	5.0	7.0	3.0	3.0	3.5
质量损失 Loss of Mass%(≤)	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.25	0.25	0.25
水萃取物电导率 Conductivity of aqueous extract μs/cm(≤)	20	20	20	20	9	9	9	9	10	10	10	10	6	6	6

# PRODUCTS INTRODUCE+ 产品介绍



## 云母新产品 New Mica Products

### 云母母线槽

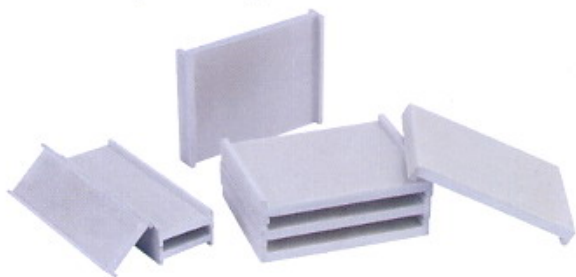
提高母线槽的耐火性能一直是该领域研究的重点与难点。云母具有优良的耐高温绝缘特性，能在明火500℃~1000℃环境中不燃烧、不析出有毒气体，还具有抗震抗压不碎裂的特性。我司利用在云母行业的经验，自行设计开发了耐火型母线槽构件，并作为全国母线槽联合设计组研制的密集型耐火母线槽的专用配套件。

该产品已通过上海电缆研究所检测，并于1999年12月通过国家机械工业局鉴定（鉴字[Jc]第9962087号），于2000年12月获准国家专利（ZL.00217053.1）。目前我们是国内唯一能生产该产品的厂家，该产品已被国内多家超高层建筑采用，效果极好。

### MICA BUS DUCT

With the booming of high buildings in cities, fire-resistant bus duct is key parts for the building. Mica possesses the most outstanding dielectrical, and thermal resistant properties which are not found in any other product. So we developed a mica parts (as shows in the following picture) only used for bus duct as the substance of mica tape. The bus ducts with mica have passed the tests from the National Supervision and Test Centre for the Quality of Fireproof Building Materials.

Because of high density, excellent mechanical properties of this mica parts, bus duct has prominent advantage than traditional solution, the products are successful used in the Shanghai International Trade Tower, the second highest building in Asia.



### 云母绝缘子

将特殊玻璃粉与耐高温绝缘材料按比例混合，经冷压、焙烧、热模压、退火等工艺加工而成。该产品除具有陶瓷绝缘子耐高温、绝缘性能好等特性外，更具有韧性佳、耐疲劳等优点，因而成为铁路机车电阻器的必需配件。

### MICA INSULATOR

Mica insulator is an entirely mineral material that basically consists of mica and glass – a binding agent that can be vitrified by fusion. These elements are mixed and combined in powder form, and then heated under pressure: the particles of glass when they melt, cover the flakes of mica to form a compact and hard mass.

Glass-mica compounds hold a privileged position among the wide variety of insulators offered to the electrical industry. They are positioned by their temperature of use between plastics and ceramics but they possess the ability to be moulded and to be machined like the former but with the hardness and indestructible qualities of the latter. Mica insulator adds a series of physical and chemical properties to these practical advantages which makes it an entirely exceptional insulator.

Mica insulators can be used for high speed train break resistor, as ideal insulation materials.

