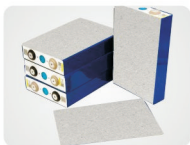
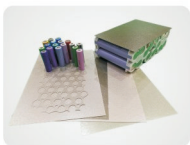
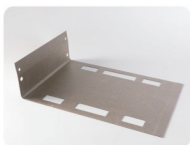
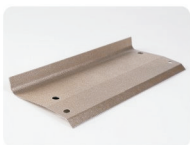




YiTian Mica

For Safer Life



To be the global leading Mica supplier with the core technology of fire resistance and thermal insulation. One-Stop solution service from mica minerals to 3D mica plate.

www.ncnc.cn

www.ytmica.com





YiTian Mica For Safer Life

Factory Review



▲ YT MICA production site: HuNan Remica Factory



▲ YT MICA production site: LangFang YiTian Mica Factory



Beijing: HQs

ACFIC Building, No.4 Fufeng Road, Tech Park, Fengtai Zone, Beijing city, China

PingJiang ShengYing

Pingjiang Town, Yueyang City, Hunan Province

HeBei LangFang Plant:

Laodi Industry Park, BaZhou, LangFang City, Hebei Province, China

Dongguan office

B-503, HuaKai Square, Nancheng, Dongguan, Guangdong, China.

Hunan Remica

High-tech Industrial Park, Pingjiang Country, YueYang City, Hunan Province, China.



YiTian Mica For Safer Life

One Stop Solution Provider

Mica minerals processing



Phlogopite

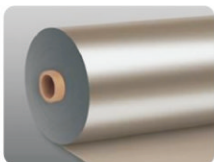


Synthetic Mica

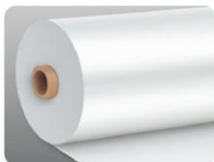


Muscovite

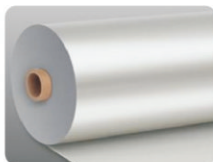
Mica paper processing



Phlogopite

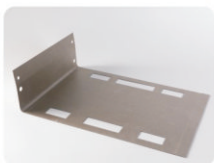


Synthetic Mica

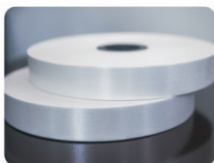


Muscovite

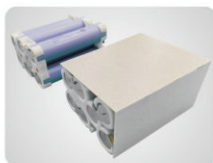
Customized Mica product processing



Phlogopite



Synthetic Mica



Muscovite



One Stop Solution

Processing from mica raw minerals into mica paper, stamping, trimming, 3D thermo-forming, all process in house.



Sustainable

Mica mines long-term sustainability, running inventory, Synthetic mica minerals as back-up raw material



ESG Orientation

A Listed Company, manage transparently



Responsible

Social responsible, human rights and environment protection. Carbon emission controlled



Retraceable

Supply chain retraceable to mica mines. Mica mineral resource with RMI membership



High-Tech Facility

Advanced mica laboratory in house. Full automation & high efficiency production line

Mica tape



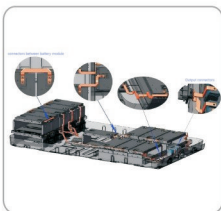
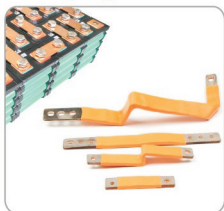
3 in 1 synthetic mica tape S-GF3014

Composition

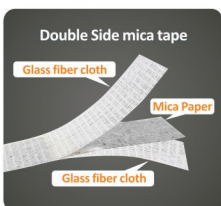
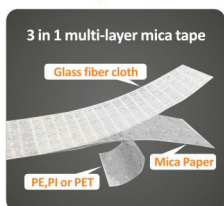
3-in-1 mica tape
Mica paper+ Glass fiber +PE

Properties	Description	Units
Color	White	/
Thickness	0.14±0.02	mm
Weight	200±10	g/m ²
Density	1.4±0,1	g/cm ³
Tensile Strength	≥100	N/10mm
Dielectric strength	≥10	Mv/mm
Resistivity	≥1.0*10 ¹⁰	MΩ·m
Fire-proof temperature	950-1000	°C

Application Scenario: for fire resistant busbar , EV Cables, Charging Cables



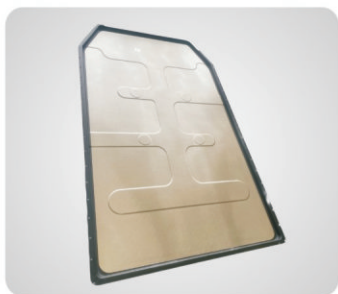
Mica Tape Structures Demonstration





YiTian Mica For Safer Life

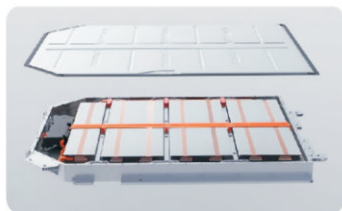
3D mica plate - fire resistant upper cover



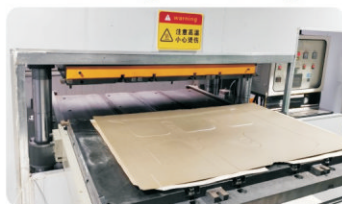
Phlogopite mica plate HP5

Properties	Description	Units
Color	Golden	/
Thickness	1	mm
Density	1.6—2.5	g/m ²
Yield Strength	≥100	Mpa
Dielectric strength	≥15	kv/mm
Resistivity	≥1.0*10 ¹⁰	MΩ·m
Moisture Absorption	≤1.5	%
Thermal Conductivity	≤0.4	W/m·K
Flame Retardance	V0	/
Fire Resistance	1000	°C

Application Scenario: fire resistant Upper cover in EV



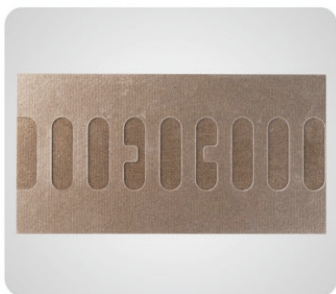
Processing: Hard toolings + 3D thermo-forming + Trimming





YiTian Mica For Safer Life

3D mica plate at EV CCS with anti-explosion valve

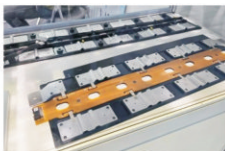
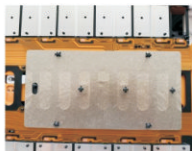


Phlogopite mica plate HP5

Properties	Description	Units
Color	Golden	/
Thickness	customized	mm
Density	1.6—2.5	g/m^2
Yield Strength	≥ 100	Mpa
Dielectric strength	≥ 15	kV/mm
Resistivity	$\geq 1.0 \times 10^{10}$	$\text{M}\Omega \cdot \text{m}$
Moisture Absorption	≤ 1.5	%
Thermal Conductivity	≤ 0.4	$\text{W/m} \cdot \text{K}$
Flame Retardance	V0	/
Fire Resistance	1000	$^{\circ}\text{C}$

Application Scenario: Thermal Insulation and Fire Resistance for EV CCS (Cell Contact System)

IATF 16949 Quality Management System certificate obtained



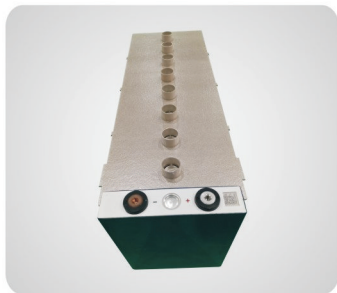
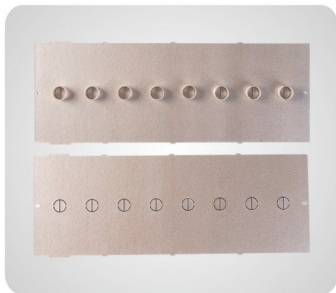
Application Scenario: fire resistant plates for EV Battery Module





YiTian Mica For Safer Life

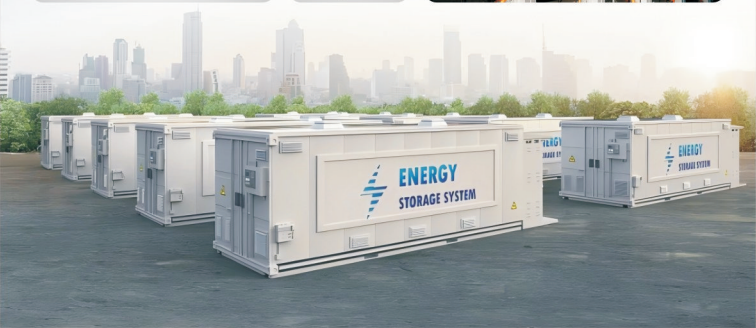
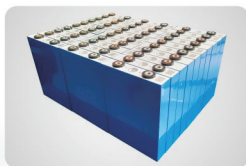
Mica plate with anti-explosion valve at lithium battery



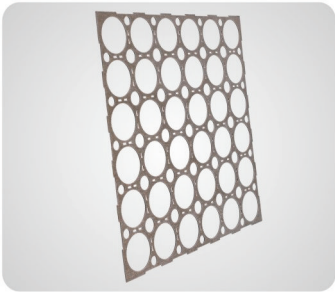
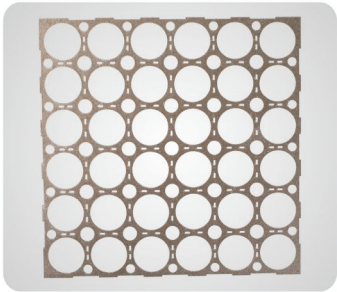
Phlogopite mica plate HP5

Properties	Description	Units
Color	Golden	/
Thickness	customized	mm
Density	1.6—2.5	g/m^2
Yield Strength	≥ 100	Mpa
Dielectric strength	≥ 15	kV/mm
Resistivity	$\geq 1.0 \times 10^{10}$	$\text{M}\Omega \cdot \text{m}$
Moisture Absorption	≤ 1.5	%
Thermal Conductivity	≤ 0.4	$\text{W/m} \cdot \text{K}$
Flame Retardance	V0	/
Fire Resistance	1000	$^{\circ}\text{C}$

Application Scenario: Thermal Insulation and Fire Resistance for ESS, (Energy Storage Battery)



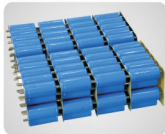
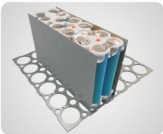
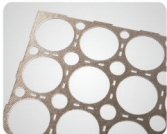
Customized mica plate for lithium battery pack



Phlogopite mica plate HP5

Properties	Description	Units
Color	Golden	/
Thickness	customized	mm
Density	1.6—2.5	g/m ²
Yield Strength	≥100	Mpa
Dielectric strength	≥15	kv/mm
Resistivity	≥1.0*10 ¹⁰	MΩ·m
Moisture Absorption	≤1.5	%
Thermal Conductivity	≤0.4	W/m·K
Flame Retardance	V0	/
Fire Resistance	1000	℃

Application Scenario: Battery Cell Holder, Battery base holder

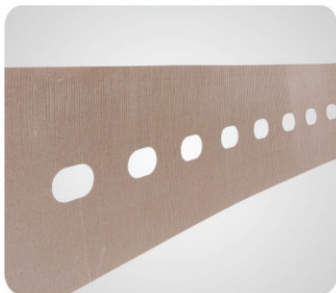
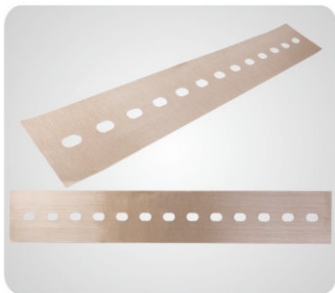


Thermal Insulation and Fire Resistance for ESS, (Energy Storage Battery)





Flexible Mica Sheet with back glued

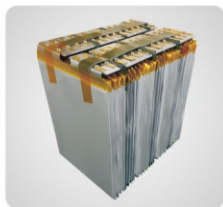
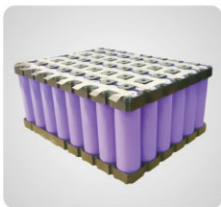
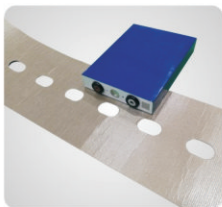


P-GG3603DBMS1

Composition	glass fiber + mica paper + glass fiber + flame retardant glue
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Properties	Description	Units
Color	Golden	/
Thickness	0.5±0.05	mm
Weight	715±25	g/m ²
Density	1.4±0,1	g/cm ³
Tensile Strength	≥100	N/10mm
Dielectric strength	≥10	Mv/mm
Resistivity	≥1.0*10 ¹⁰	MΩ·m
Fire-proof temperature	750-830	°C

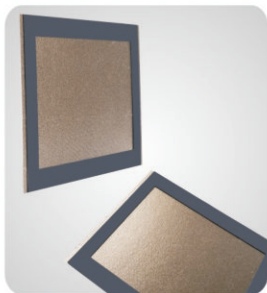
Application Scenario: Soft and Flexible Thermal Insulation & Fire Resistance for Lithium Battery





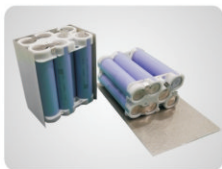
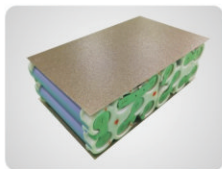
YiTian Mica For Safer Life

Rigid Phlogopite Mica Plate with back glued for Lithium Battery

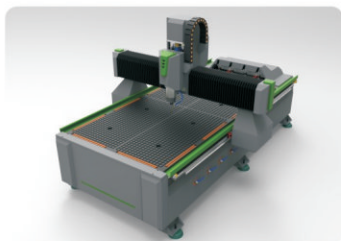


Phlogopite mica board HP5

Properties	Description	Units
Color	Golden	/
Thickness	customized	mm
Density	1.6—2.5	g/m ²
Yield Strength	≥100	Mpa
Dielectric strength	≥15	kv/mm
Resistivity	≥1.0*10 ¹⁰	MΩ·m
Moisture Absorption	≤1.5	%
Thermal Conductivity	≤0.4	W/m·K
Flame Retardance	V0	/
Fire Resistance	1000	°C



Processing in house: Precision Cutting & Engraving and Trimming

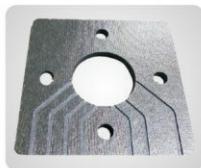
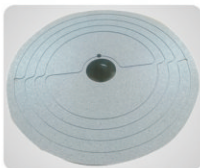
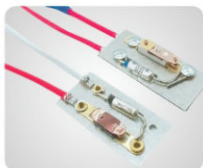




YiTian Mica For Safer Life

More application Scenarios of Mica Plate

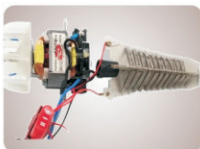
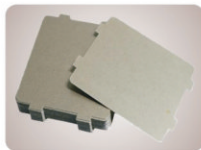
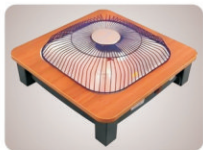
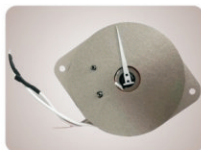
Industrial electric furnaces, industrial heaters;
Household appliances ,such as toaster, hair dryers,mica heating piece,etc;
Heating elements support, heat-resistant gaskets ,heating rings,etc.



Thermal and electric insulation



Heating elements



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FACTORY 2

HuNan Remica New Material Co.,Ltd
High-tech Industrial Park,
Pingjiang Country, YueYang City,
Hunan Province, China.

FACTORY 3

PingJiang ShengYing Industrial Co.,Ltd
(Mica Paper factory)
FuShouShan Town,
PingJiang County,
YueYang City,
HuNan Province, China