



JIUJIANG XINXING INSULATION MATERIAL CO.,LTD.

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Company introduction 公司介绍.



Corporate culture and qualifications
企业文化及资质.





Production scale 生产规模.







### About us



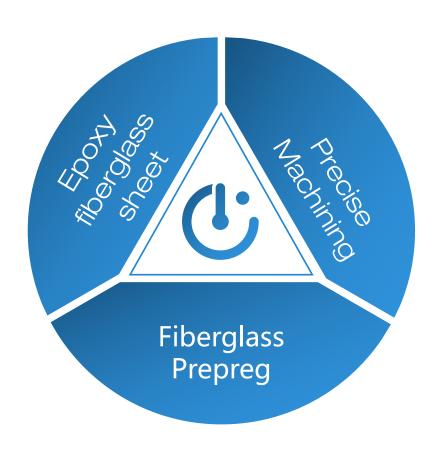
- Jiujiang Xinxing Insulation Material Co., Ltd. is a joint-stock enterprise of Jiujiang Xinxing Group.
- The company was established in March 2003, the annual production of all kinds of insulating materials, functional composite materials more than 6000 tons. The main production of various types of electrical insulation materials, electronic insulation and reinforcing materials, reinforced plastic board series, high temperature resistant insulation materials series, high performance flame retardant insulation materials series and special functional composite materials. The products are widely used in PCB mold, fixture, generator, switchgear, rectifier and other fields in electrician, electronics and electric appliance industry. Company to develop high performance, high temperature resistant, high dielectric materials are widely used in 5 g communications, new energy vehicles, rail transportation, large transformer substation, large generating set, nuclear power, wind power generators, and other fields, more developed type functional composite materials are widely used in national defense, aerospace, high-speed rail, nuclear power, disaster relief, and other fields; The company has advanced insulation materials CNC processing equipment, can provide customers with drawing finishing and other professional services. After nearly 20 years of development, Xinxing Insulation has grown into a first-class insulating material production enterprise in China, integrating research and development, production, sales and service.

### About us



- The company is located in the beautiful Jiujiang, Jiangxi Province, covering an area of 120 mu. The company is a national high-tech enterprise and a member of insulating material industry association, with advanced production equipment and precision testing equipment, professional process research and development and experienced production management team. The company has passed the ISO9001 quality management system certification, products have passed the SGS environmental protection certification, in line with the EU ROHS certification, REACH regulations and other requirements. Products are exported to all over the country and Europe, Southeast Asia, South Asia, East Asia and other regions.
- The company in line with the purpose of self-improvement, return to the society, uphold the integrity, pragmatic, efficient management philosophy, adhere to excellence, customer first, scientific management, continuous improvement of the quality policy. Wish to seek common development and make great achievevment with new and old customers and friends!

### Leading Integrated manufacturer of epoxy fiberglass insulation sheet

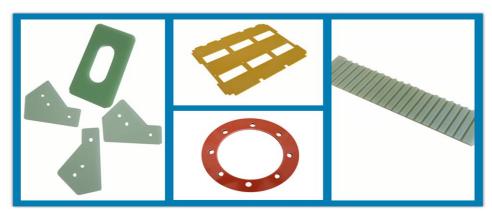


### Thermosetting epoxy glass cloth laminate sheets

Our company mainly produces various types of electrical insulation materials, electronic insulation and reinforcing materials, reinforced plastic board series, high temperature resistant insulation materials series, high performance flame retardant insulation materials series and special functional composite materials.

### Product Precise Machining

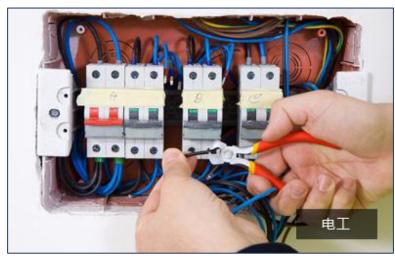
The company has a number of CNC finishing center equipment, at the same time with saw, lathe, milling, planing, grinding, drilling, attack, punching, shearing and other large processing and production equipment.



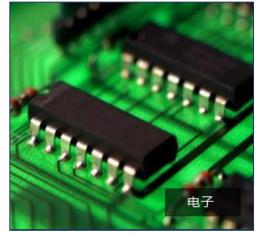
### \* Application

Products are widely used in electrical, electronics, electrical appliances industry PCB mould, fixture, generators, switchgear, rectifier and other fields, the company developed the high performance, high temperature resistant, high dielectric materials are widely used in 5 g communications, new energy vehicles, rail transportation, large transformer substation, large generating set, nuclear power, wind power generators, and other fields, Self-developed multifunctional composite materials in the defense industry, aviation and aerospace industry, disaster relief and other fields.













### Applications



Wind and Hydroelectric power



New energy vehicles



Nuclear power generation



Aeronautics and astronautics



5G communication



Rail Traffic



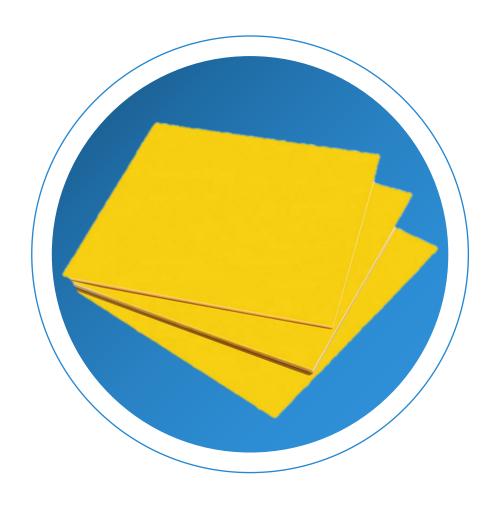
Product catagory	Items	Heat Resistance	Fire Resistance
	3240 epoxy phenolic fiberglass laminated sheet	Grade B	222
Grade B epoxy	G-10 epoxy fiberglass laminated sheet	Grade B	1=
fiberglass laminate sheet	FR-4 epoxy fiberglass laminated sheet	Grade B	V-0
	3233 Melamine fiberglass laminated sheet	Grade B	V-0
	3242 epoxy fiberglass laminated sheet	Grade F	1-
Grade F epoxy	3248 epoxy fiberglass laminated sheet	Grade F	-
fiberglass laminate	347/347F High strength epoxy fiberglass laminated sheet	Grade F	V-0
sheet	G-11 epoxy fiberglass laminated sheet	Grade F	1.5
	FR-5 epoxy fiberglass laminated sheet	Grade F	V-0
Grade Hepoxy	3250 epoxy fiberglass laminated sheet	Grade H	=
fiberglass laminate sheet	3255 Modified diphenyl ether fiberglass laminated sheet	Grade H	100
	3240 Halogen-free epoxy phenolic fiberglass laminated sheet	Grade B	V-0
Halogen free fire retardant epoxy	G-10 Halogen-free epoxy fiberglass laminated sheet	Grade B	V-0
fiberglass laminate sheet	Grade F Halogen-free fire resistance epoxy fiberglass laminated sheet	Grade F	V-0
SHEEL	Grade H Halogen-free fire resistance epoxy fiberglass laminated sheet	Grade H	V-0
	3241 semi-conductor epoxy phenolic fiberglass laminated sheet	Grade B	7 <u>=</u>
Functional composite material	Anti-static epoxy fiberglass laminated sheet	Grade B	3.5
material	3051 Epoxy NOMEX paper laminated sheet	Grade H	( <del>-</del>
CNC machining parts	CNC Machining parts		



Product Name	Heat resistance grade	Density (g/cm3)	Vertical breakdown voltage ( KV)	Parallel breakdown voltage (KV/mm)	Tensile Strength (MPa)	Bending Strength (MPa)	Volume Resistance (Ω)	Electrical Resistance after soaking(Ω)	Combustibility (LV)
3240 epoxy phenolic fiberglass laminated	Grade B	1.8 ~ 2.0	≥14.2	≥35	≥200	≥340	≥5×10 <sup>12</sup>	≥5×10 <sup>10</sup>	) <del>-</del>
G-10 epoxy fiberglass laminated sheet	Grade B	1.8 ~ 2.0	≥14.2	≥40	≥300	≥340	≥5×10 <sup>12</sup>	≥5×10 <sup>10</sup>	[ @
FR-4 epoxy fiberglass laminated sheet	Grade B	1.8 ~ 2.0	≥14.2	≥40	≥300	≥340	≥5×10 <sup>12</sup>	≥5×10 <sup>10</sup>	V-0
3233 Melamine fiberglass laminated sheet	Grade B	1.8 ~ 2.0	≥7.0	≥40	≥300	≥340	≥5×10 <sup>12</sup>	≥5×10 <sup>10</sup>	V-0
3242 epoxy fiberglass laminated sheet	Grade F	1.8 ~ 2.0	≥14.2	≥35	≥300	≥340 (Normal) ≥170 (155±2°C)	≥1×10 <sup>13</sup>	≥1×10 <sup>12</sup>	14
3248 epoxy fiberglass laminated sheet	Grade F	1.8 ~ 2.0	≥16	≥40	≥314	≥360 (Nomal) ≥190 (155±2°C)	≥1×10 <sup>13</sup>	≥1×10 <sup>12</sup>	7-
347/347F High strength epoxy fiberglass laminated sheet	Grade F	1.8 ~ 2.0	≥14.2	≥45	≥240	≥400 (Normal) ≥250 (155±2°C)	≥1×10 <sup>12</sup>	≥1×10 <sup>10</sup>	V-0
G-11 epoxy fiberglass laminated sheet	Grade F	1.8 ~ 2.0	≥14.2	≥40	≥300	≥380 (Nomal) ≥190 (155±2°C)	≥1×10 <sup>12</sup>	≥1×10 <sup>10</sup>	<u></u>
FR-5 epoxy fiberglass laminated sheet	Grade F	1.8 ~ 2.0	≥14.2	≥40	≥320	≥380 (Normal) ≥190 (155±2°C)	≥1×10 <sup>12</sup>	≥1×10 <sup>10</sup>	V-0
3250 epoxy fiberglass laminated sheet	Grade H	1.8 ~ 2.0	≥16	≥40	≥320	≥450 (Nomal) ≥250 (180±5°C)	≥1×10 <sup>12</sup>	≥1×10 <sup>10</sup>	-
3255 Modified diphenyl ether fiberglass laminated sheet	Grade H	1.8 ~ 2.0	≥16	≥30	≥300	≥340 (Normal) ≥170 (180±5°C)	≥1×10 <sup>13</sup>	≥1×10 <sup>10</sup>	-
3240 Halogen-free epoxy phenolic fiberglass laminated sheet	Grade B	1.8 ~ 2.0	≥14.2	≥35	≥200	≥340	≥5×10 <sup>12</sup>	≥5×10 <sup>10</sup>	V-0
G-10 Halogen-free epoxy fiberglass laminated sheet	Grade B	1.8 ~ 2.0	≥14.2	≥40	≥300	≥340	≥5×10 <sup>12</sup>	≥5×10 <sup>10</sup>	V-0
Grade F Halogen-free fire resistance epoxy fiberglass laminated sheet	Grade F	1.8 ~ 2.0	≥14.2	≥40	≥320	≥400 (Normal) ≥250 (155±2°C)	≥1×10 <sup>12</sup>	≥1×10 <sup>10</sup>	V-0
Grade H Halogen-free fire resistance epoxy fiberglass laminated sheet	Grade H	1.8 ~ 2.0	≥14.2	≥40	≥320	≥450 (Normal) ≥250 (180±5°C)	≥1×10 <sup>12</sup>	≥1×10 <sup>10</sup>	V-0
3241 semi-conductor epoxy phenolic fiberglass laminated sheet	Grade B	1.8 ~ 2.0	=	121	≥200	≥340	1×1	0 <sup>3</sup> ~1×10 <sup>5</sup>	(2
Anti-static epoxy fiberglass laminated sheet	Grade B	1.8 ~ 2.0	<u> </u>	120	≥240	≥350	1×1	0 <sup>6</sup> ~1×10 <sup>9</sup>	<u>©</u>
3051 Epoxy NOMEX paper laminated sheet	Grade H	12	≥20	12	≥400	2	≥1×10 <sup>11</sup>	623	G G
				No.			A		2

Remark:Vertical layer breakdown voltage test conditions was in  $90\pm2^{\circ}$ C 25# transformer oil, step by step 2, voltage withstanding 20S;Parallel layer breakdown voltage test conditions was in  $90\pm2^{\circ}$ C 25# transformer oil,go straight up,voltage withstanding 60S;The sample for combustibility test was taken according to the GB/T 2408-2008 standard of 1mm;Other performance test reference to standard:GB/T 1303.2-2009.







### 3240 Epoxy phenolic glass fiber laminated sheet

This product is a laminated product made of electrical purposed alkali-free glass cloth impregnated with epoxy phenolic resin by hot pressing. The thermostablity is grade B.It has good mechanical and dielectrical properties,

Applicable to mechanical, electrical, electronic, electrical and other fields. It is also used in the processing of insulating parts, and processed into all kinds of insulating parts and equipment insulating structural parts, which can be used in wet environment conditions and transformer oil.







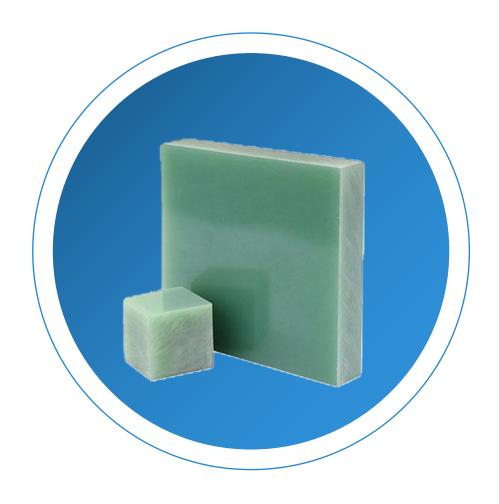




### 3240 Main Performance Index

NO.	ITEM			INDEX VALUE
1	Density	/	g/cm³	1.8-2.0
2	Water absorpti	on Rate	%	≤0.5
3	Vertical bending	g strength	MPa	≥340
4	Vertical compress	ion strength	MPa	≥350
5	Parallel impact strength	(charpy type-gap)	KJ/m²	≥33
6	Parallel impact strength (cantilever beam method)			≥34
7	Parallel shear strength			≥30
8	Tensile stre	ength	MPa	≥200
		1mm		≥14.2
9	Vertical electric strength  (in oil of 90°C±2°C)	2mm	KV/mm	≥11.8
		3mm		≥10.2
10	Parallel breakdown voltage	(in oil of $90^{\circ}C \pm 2^{\circ}C$ )	KV	≥35
11	Dielectric dissiption factor (50Hz)		-	≤0.04
10	Insulation Resistance	Normal	Ω	≥5.0×10 <sup>12</sup>
12	insulation Resistance —	After soaking for 24hours	12	≥5.0×10¹0







### EPGC201/G-10 Epoxy Fiberglass Laminated sheet

This product was laminated by the high temperature and high pressure with electronic glass fiber cloth impregnated with epoxy resin. With high mechanical and dielectric properties, good heat and wave resistance, also with good machinability; This product can meet the EU ROHS standard, it is widely export to southeast Aisa, European, India, etc. Suitable for application in high performance electronic insulation requirements of products, such as FPC reinforcement plate, PCB drilling pad, fiberglass meson, glass fiber board potentiometer carbon film printing, precision tour stars gear grinding (chip), precision test plate, electrical (electrical) equipment insulation stay clapboard, insulating plate, transformer insulation board, motor insulation parts, grinding wheel, Electronic switch insulation board, etc



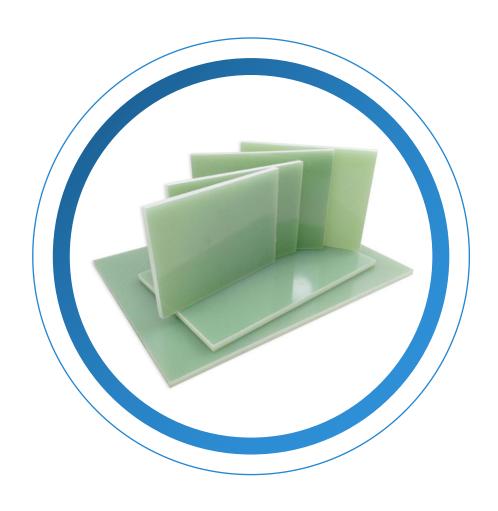




# EPGC201/G10 Main Performance Index

NO.		ITEM			INDEX VALUE
1		Г	Density	g/cm³	1.8-2.0
2		Water at	osorption Rate	%	≤0.5
3		Vertical be	ending strength	MPa	≥340
4		Vertical com	pression strength	MPa	≥350
5	Pa	arallel impact str	ength (charpy type-gap)	KJ/m²	≥37
6		Parallel	shear strength	Мра	≥34
7		Tensi	le strength	MPa	≥300
			1mm		≥14.2
8		Vertical electric strength  (in oil of 90°C±2°C)	2mm	KV/mm	≥11.8
			3mm		≥10.2
9	Paral	lel breakdown vo	oltage(in oil of 90°C±2°C)	KV	≥40
10		Dielectric dissi	Dielectric dissiption factor (50Hz)		≤0.04
44	Insulation		Normal	0	≥5.0×10 <sup>12</sup>
11	Posistanos		fter soaking for 24hours	Ω	≥5.0×10¹0







### EPGC202/FR-4 Epoxy Fiberglass Laminated sheet

This product was laminated by the high temperature and high pressure with electronic glassfiber cloth impregnated with brominated epoxy resin.lt with high mechanical properties, dielectric properties and flame retardant properties, it also with good heat resistance and moisture resistance.

This product is mainly used as the structure parts for Motor and electrical equipment, including all kinds of switch, electric equipment, FPC reinforcement plate, carbon film printed circuit boards, computer drilling pad, mould and smelting equipment(PCB test flame ) ;and also suitable under wet environment and transformer oil.



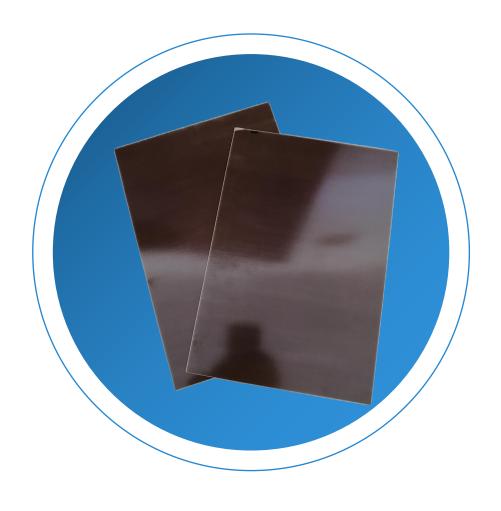




# EPGC202/FR4 Main Performance Index

NO.		ITEM			INDEX VALUE
1		De	ensity	g/cm³	1.8-2.0
2		Water abs	sorption Rate	%	≤0.5
3		Vertical be	nding strength	MPa	≥340
4		Vertical comp	pression strength	MPa	≥350
5	Pa	rallel impact stre	ngth (charpy type-gap)	KJ/m²	≥37
6		Parallel shear strength			≥34
7		Tensile strength			≥300
	1mm				≥14.2
8		ctric strength	2mm	KV/mm	≥11.8
		• • = = • /	3mm		≥10.2
9	Paralle	el breakdown vol	tage(in oil of 90°C±2°C)	KV	≥40
10		Dielectric dissip	otion factor (50Hz)	-	≤0.04
11	Insulation		Normal		≥5.0×10 <sup>12</sup>
11	Resistance	Afte	After soaking for 24hours		≥5.0×10¹0
12		Combustil	oility (UL-94)	Level	V-0







### 3233 Melamine glass fiber laminated sheet

This product is a laminated sheet which is made of eletrical alkali free glass cloth impregnated with melamine resin by hot pressing. It has good arc resistance and certain dielectric properties and flame retardant properties. It can be used as arc resistance materials in switches, structural parts of electrical equipment and isolation materials for electrical equipment.





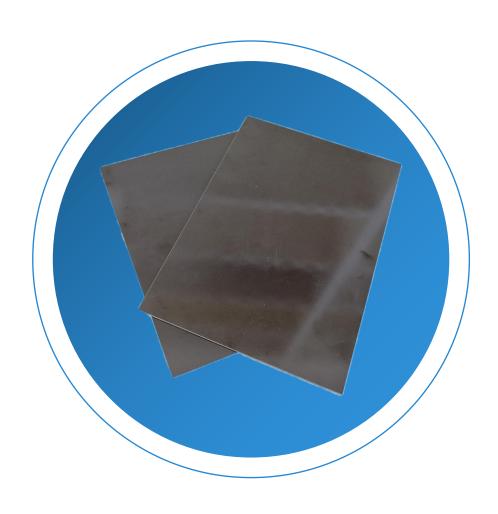




### Main Performance Index

NO.	ITEM			UNIT	INDEX VALUE				
1	Density			g/cm³	1.8-2.0				
2	Water absorptio	n Rate		%	≤3.0				
3	Vertical bending	strength		MPa	≥200				
4	Parallel impact strength (d	Parallel impact strength (charpy type-gap)			≥25				
			1mm		≥7.0				
5	Vertical electric strength (in oil of 90°C±2°C)		2mm	KV/mm	≥5.4				
			3mm		≥5.0				
6	Parallel breakdown voltage(ir	n oil of 90°	℃± <b>2</b> ℃)	KV	≥15				
7	Insulation Resistance	nsulation Resistance  After soaking for 24hours		Ω	≥1.0×10 <sup>10</sup>				
	modiation (Colotalice			22	≥1.0×10 <sup>8</sup>				
8	Combustibil	iity		lity		Combustibility		Level	V-0

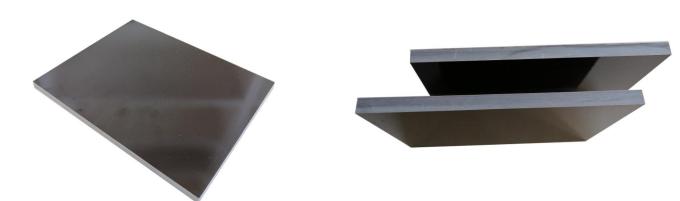






### 3242 Epoxy Fiberglass Laminated sheet

This product is a laminated product which made with the chemical treatment electrical purposed alkali-free glass cloth as the backing material, by hot pressing with epoxy resin as binder. It has high mechanical strength under high temperature, with good electrical stability under high humidity. The thermostability is grade F, suitable for all kinds of motor, electric appliances, electronic and other fields. Suitable for all kinds of motor, electric appliances, electronic and other fields



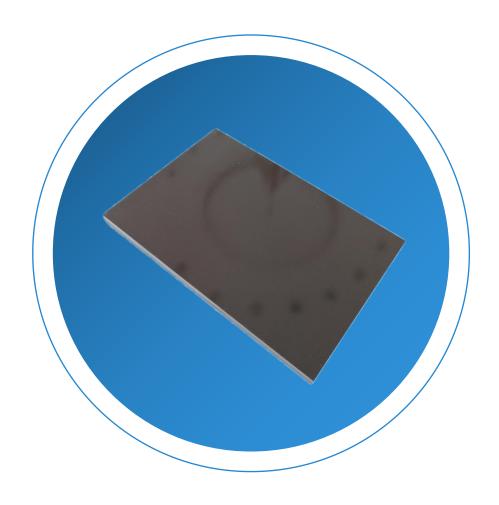




### 3242 Main Performance Index

NO.	ITEM			INDEX VALUE
1	Density		g/cm³	1.8-2.0
2	Water absorption Rate		%	≤0.5
3	Vertical bending strength	Normal	MPa	≥340
3	vertical bending strength	155±2°C	IVIFa	≥170
4	Compression strength	Vertical	MPa	≥300
4	Compression strength	Parallel	IVIFa	≥200
5	Impact strongth (charny type gap)	Lengthway no gap	KJ/m²	≥147
5	Impact strength (charpy type-gap)	Horizontal no gap	NJ/III	≥98
6	Bonding strength	Ν	≥6800	
7	Topoilo etroneth	Lengthway	MPa	≥280
/	Tensile strength	Horizontal	IVIFa	≥200
		1mm		≥14.2
8	Vertical electric strength  (in oil of 90°C+2°C)	2mm	KV/mm	≥11.8
	(iii dii di da d <u>=</u> = 0)	3mm		≥10.2
9	Parallel breakdown voltage(1 min in oil	of 90°C±2°C)	KV	≥35
10	Dielectric dissiption factor (	Dielectric dissiption factor (50Hz)		
11	Parrallel Insulation Resistance	Normal	Ω	≥1.0×10 <sup>12</sup>
11	Fairallel Hisulation Resistance	After soaking for 24hours	22	≥1.0×10 <sup>10</sup>







### 3248 Epoxy Fiberglass Laminated Sheet

This product is a laminated product which made with the chemical treatment electrical purposed alkali-free glass cloth as the backing material, by hot pressing with epoxy resin as binder. It has high mechanical strength under high temperature, with good electrical stability under high humidity. The thermostability is grade F, suitable for all kinds of motor, electric appliances, electronic and other fields. Suitable for all kinds of motor, electric appliances, electronic and other fields.







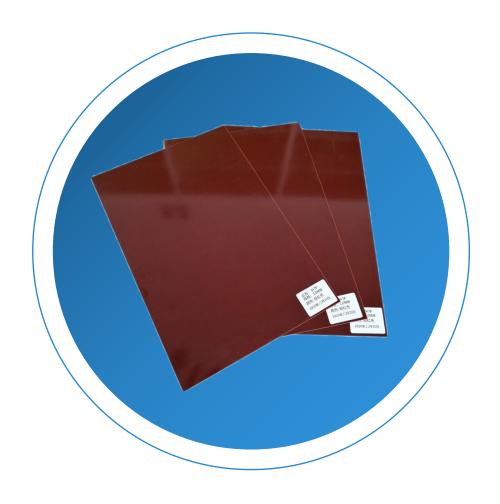




### 3248 Main Performacne Index

NO.	ITEM			UNIT	INDEX VALUE
1	Density			g/cm³	1.8-2.0
2	Water absorption	n Rate		%	≤0.5
		Normal	Lengthway		≥360
3	Vertical banding strongth	INOITIIai	Horizontal	MPa	≥340
3	Vertical bending strength	155±2°C	Lengthway	IVIPa	≥190
		155 1 2 0	Horizontal		≥170
4	Impact strength (charpy type) gap		Lengthway	KJ/m²	≥37
4			Horizontal	No/III	≥37
5	Parrallel shearing strength				≥30
6	Topoilo atronath		Lengthway	MPa	≥314
0	Tensile strength	Horizontal	≥300		
			1mm		≥17.0
7	Vertical electric strength  (in oil of 90°C±2°C)		2mm	KV/mm	≥14.9
			3mm		≥13.8
8	Parallel breakdown voltage(1 mi	n in oil of 90	°C±2°C)	KV	≥40
9	Dielectric dissiption fac	ctor (50Hz)		-	≤0.04
			Normal		≥1.0×10 <sup>12</sup>
10	Parrallel Insulation Resistance		After soaking for 24hours	Ω	≥1.0×10 <sup>10</sup>

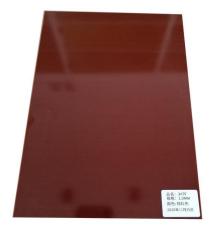


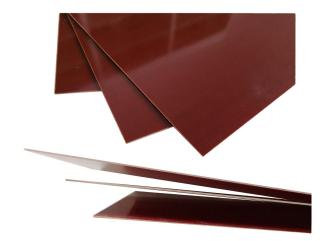




### 347/347F High Strength Epoxy Fiberglass Laminated Sheet

This product is a laminated sheet which made with processed non-alkali glass fiber cloth as the backing material, by hot pressing with grade F benzo oxazine resin. It has good mechanical and electrical properties, and flame retardant, especially has high mechanical strength retention and excellent electrical properties under high temperature. Suitable for grade F motor and electrical equipment as high quality insulation structure, has the advantage of good machinability and wide applicability in the similar products.





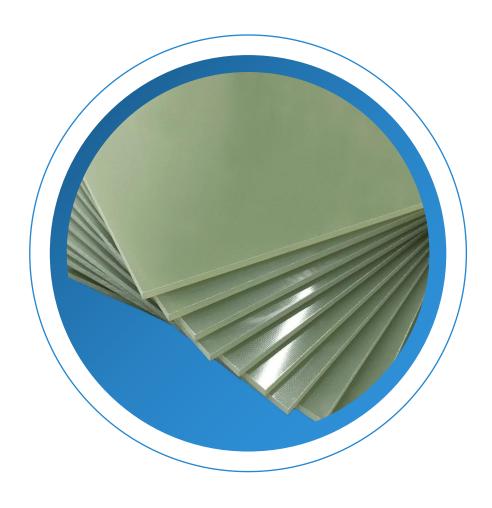




## 347/347F Main Performance Index

NO.	ITEM		LINUT	INDEX VALUE		
NO.	ITEM		UNIT	347	347F	
1	Density		g/cm³	1.8-2.0	1.8-2.0	
2	Water absorption Rate		%	≤0.5	≤0.5	
3	Vertical bending strength	Normal	MPa	≥440	≥400	
3	vertical behaling strength	155±2°C	IVIFA	≥280	≥250	
4	Compression strength	Vertical	MPa	≥350	≥300	
4	Compression strength	Parallel	IVIFA	≥260	≥200	
5	Impact strongth (sharpy type)	Lengthway no gap	KJ/m²	≥147	≥129	
5	Impact strength (charpy type)	Horizontal no gap	NJ/III	≥98	≥77	
6	Bonding strength	g strength		≥7200	≥6800	
7	Tensile strength	Lengthway	MPa	≥280	≥240	
1	rensile strength	Horizontal	IVIFA	≥200	≥180	
	Varities I also atris sature with	1mm		≥14.2	≥14.2	
8	Vertical electric strength  (in oil of 90°C+2°C)	2mm	KV/mm	≥12.4	≥12.4	
		3mm		≥11.5	≥11.5	
9	Parallel breakdown voltage(1 min in oil of 90	°C±2°C)	KV	≥45	≥45	
10	Dielectric dissiption factor (50Hz)		-	≤0.04	≤0.04	
		Normal		≥1.0×10 <sup>12</sup>	≥1.0×10 <sup>12</sup>	
11	Volumn Insulation Resistance	After soaking for 24hours	Ω	≥1.0×10 <sup>10</sup>	≥1.0×10 <sup>10</sup>	
12	Combustibility (UL-94)		Level	V-1	V-0	







### EPGC203/G-11 Epoxy Fiberglass Laminated Sheet

This product is made with the electrician non-alkali glass fiber cloth as the backing material, with high TG epoxy resin as binder via hot pressing laminated under 155 degree temperature. It has high mechanical strength under normal temperature, still has strong mechanical strength, good electrical properties under dry and wet environment, can be used in damp environment and transformer oil. It belongs to grade F heat resistance insulating material.

Applicable to all kinds of motor, electrical, electronic and other fields, widely used in motor, electrical equipment as insulation structure parts, high voltage switchgear, high voltage switch (such as motor stator insulation materials at both ends, rotor end plate rotor flange piece, slot wedge, wiring plate, etc.).







## EPGC203/G11 Main Performance Index

NO.	ITEM		UNIT	INDEX VALUE
1	Density	g/cm³	1.8-2.0	
2	Water absorption Rate		%	≤0.5
3	Vertical bending strength	Normal	MPa	≥380
3	vertical bending strength	155±2°C	IVII a	≥190
4	Compression strength	Vertical	MPa	≥300
7		Parallel	IVII a	≥200
5	Impact strength (charpy type)	_engthway no gap	KJ/m²	≥147
6	Bonding strength	N	≥6800	
7	Tensile strength	Lengthway	- MPa	≥300
1	Terisile strength	Horizontal		≥240
	Madical alastic at a sall	1mm		≥14.2
8	Vertical electric strength  (in oil of 90°C±2°C)	2mm	KV/mm	≥11.8
		3mm		≥10.2
9	Parallel breakdown voltage(1 min in oil of 90°C $\pm$ 2°	°C)	KV	≥40
10	Dielectric dissiption factor (50Hz)	Dielectric dissiption factor (50Hz)		
		Normal		≥1.0×10 <sup>12</sup>
11	Insulation Resistance	After soaking for 24hours	Ω	≥1.0×10 <sup>10</sup>







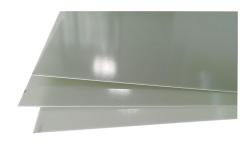
### EPGC204/FR-5 Epoxy Fiberglass Laminated Sheet

This product was laminated by the high temperature and high pressure with electrician used alkali free glass fiber cloth impregnated with special epoxy resin, it belongs grade F heat resistance insulation material. It has high mechanical properties under medium temperature, and stable electrical performance under high temperature. It is suitable used in mechanical, electrical and electronic as the high insulation components. It has high mechanical strength, thermal state mechanical strength, fire resistance, heat resistance and humidity resistance.

Our FR5 has passed the test of EN45545-2:2013+A1:2015: Railway applications - Fire protection of railway vehicles-Part2:Requirement for fire behaviour of materials and components.and be approved by CRRC







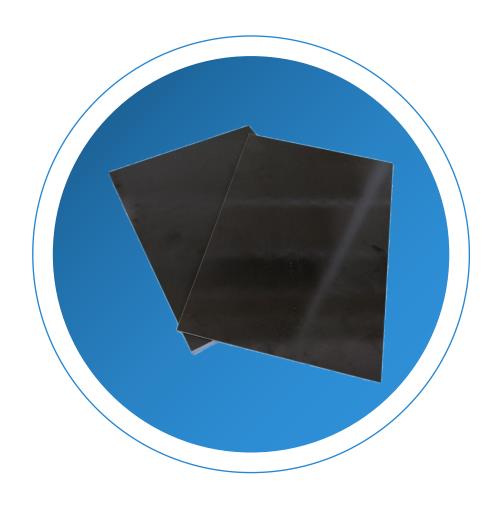




EPGC204/FR5 Main Performance Index

NO.	ITEM			INDEX VALUE
1	Density			1.8-2.0
2	Water absorption Rate		%	≤0.5
3	Vertical banding strength	Normal	MPa	≥380
3	Vertical bending strength	155±2°C	IVIFA	≥190
4	Compression strength	Vertical	MPa	≥350
4	Compression strength	Parallel	IVIFa	≥260
5	Impact strength (charpy type)	Lengthway no gap	KJ/m²	≥147
6	Bonding strength			≥6800
-	Tensile strength	Lengthway	MPa	≥320
7		Horizontal		≥240
		1mm		≥14.2
8	Vertical electric strength (in oil of 90°C±2°C)	2mm	KV/mm	≥11.8
	(11 61 61 65 6 12 6)	3mm		≥10.2
9	Parallel breakdown voltage(1 min in oil of 9	00°C±2°C)	KV	≥40
10	Dielectric dissiption factor (50Hz	Z)	-	≤0.04
		Normal		≥1.0×10 <sup>12</sup>
11	Insulation Resistance	After soaking for 24hours	Ω	≥1.0×10¹0
12	Combustibility (UL-94)	•	Level	V-0

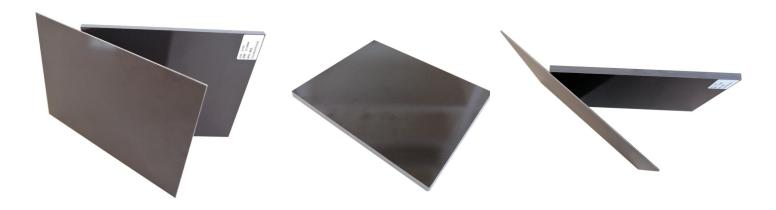






### 3250 Epoxy Fiberglass Laminated Sheet

This product is a laminated product which made with the chemical treatment electrical purposed alkali-free glass cloth as the backing material, by hot pressing with high Tg epoxy resin as binder. It has high mechanical strength under high temperature, with good electrical stability under high humidity. The thermostability is grade F, suitable for all kinds of motor, electric appliances, electronic and other fields.







### 3250 Main Performance Index

NO.	ITEM			UNIT	INDEX VALUE
1	Density	g/cm³	1.8-2.0		
2	Water absorption Ra	ate		%	≤0.5
		Normal	Lengthway		≥450
3	Vertical bending strength	Nomiai	Horizontal	MPa	≥380
3	vertical bending strength	180±5°C	Lengthway	IVIFa	≥250
		100 1 3 0	Horizontal		≥190
4	Impact strength (charpy type)	No gap	Lengthway	KJ/m²	≥180
	impact strongth (onclipy type)	No gap	Horizontal		≥137
5	Compression strength	Compression strongth			≥500
3	Compression strength		Horizontal		≥250
6	Tensile strength		Lengthway	MPa	≥320
	Terisile strength		Horizontal		≥300
			1mm		≥17.0
7	Vertical electric strength  (in oil of 90°C+2°C)		2mm	KV/mm	≥14.9
	( o o. o. o o = = o /	(111 011 01 00 0 1 2 0 )			≥13.8
8	Parallel breakdown voltage(1 min in	oil of 90°C±2°C		KV	≥40
9	Dielectric dissiption factor	Dielectric dissiption factor (50Hz)			≤0.04
			Normal		≥1.0×10 <sup>12</sup>
10	10 Parrallel Insulation Resistance		After soaking for 24hours	Ω	≥1.0×10¹0







### 3255Modified diphenyl ether glass cloth laminated sheet

This product is a laminated product which made with the chemical treatment electrical purposed alkali-free glass cloth as the backing material, by hot pressing with modified diphenyl ether resin as binder. It has high mechanical strength under high temeprature, good dielectric stability under high humidity. Good radiation resistanceit, suitable for class H motor, electrical equipment as the insulation structure parts.







### 3255 Main Performance Index

NO.	ITEM	UNIT	INDEX VALUE	
1	Density	g/cm³	1.8-2.0	
2	Water absorption Rate	%	≤0.5	
3	Vertical bending strength	Normal	MPa	≥340
3	vertical behaling strength	180±5°C		≥170
4	Compression strength	Vertical	MPa	≥350
5	Impact strength (charpy type)	gap	KJ/m²	≥33
6	Bonding strength	N	≥5700	
7	Tensile strength	Lengthway	MPa	≥300
	Vertical electric strength (in oil of 90°C±2°C)	1mm	KV/mm	≥20.0
8		2mm		≥18.0
		3mm		≥16.0
9	Parallel breakdown voltage(1 min in oil of 90°C:	KV	≥30	
10	Dielectric dissiption factor (50Hz)		-	≤0.04
	Parallel Insulation Resistance	Normal	Ω	≥1.0×10 <sup>13</sup>
11		After soaking for 24hours		≥1.0×10 <sup>10</sup>
	Volumn Insulation Resistance	Normal	Ω.m	≥1.0×10 <sup>11</sup>
12		After soaking for 24hours		≥1.0×10 <sup>9</sup>
		180±5°C		≥1.0×10 <sup>8</sup>



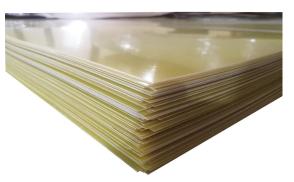


### 3240 Halogen-free fire retardant Epoxy phenolic glass fiber laminated sheet

This product is a laminated product made of electrical purposed alkali-free glass cloth impregnated with epoxy phenolic resin by hot pressing. The thermostablity is grade B.It has good mechanical and dielectrical properties, Applicable to mechanical, electrical, electronic, electrical and other fields. It is also used in the processing of insulating parts, and processed into all kinds of insulating parts and equipment insulating structural parts, which can be used in wet environment conditions and transformer oil.

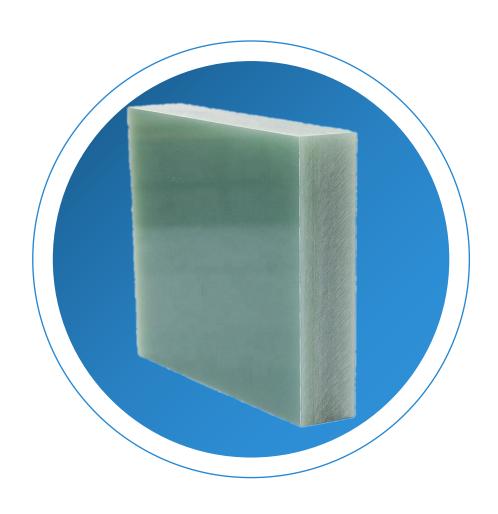
The more important is this 3240 laminate is Halogen-free and fire retardant, which is eco-friendly and can be acceptable by European and American markets.







	T				T
NO.	ITEM			UNIT	INDEX VALUE
1	Density			g/cm³	1.8-2.0
2	Water absorption Rate			%	≤0.5
3	Vertical bending strength			MPa	≥340
4	Vertical compression strength			MPa	≥350
5	Parallel impact strength (charpy type-gap)			KJ/m²	≥33
6	Parallel impact strength (cantilever beam method)			KJ/m²	≥34
7	Parallel shear strength			Мра	≥30
8	Tensile strength			MPa	≥200
			1mm		≥14.2
9	Vertical electric strength (in oil of 90°C±2°C)  2mm			KV/mm	≥11.8
	3mm		≥10.2		
10	Parallel breakdown voltage(in oil of 90°C±2°C)			KV	≥35
11	Dielectric d	Dielectric dissiption factor (50Hz)			≤0.04
12	Insulation Resistance After soaking for 24hours			Ω	≥5.0×10 <sup>12</sup>
12			4hours	22	≥5.0×10 <sup>10</sup>
13	Comb	oustibility (UL-94)	Level	V-0	



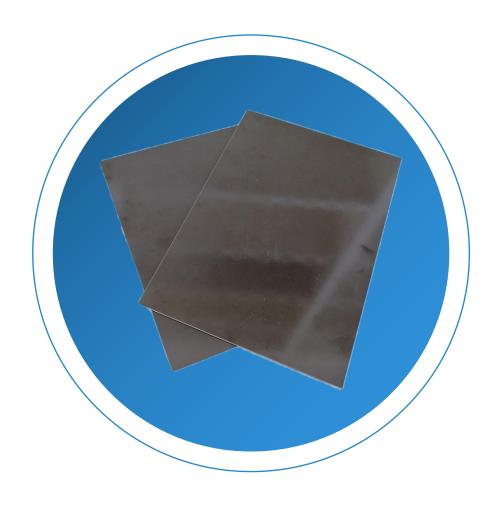


### G10 Halogen-free fire retardant Epoxy glass fiber laminated sheet

This product was laminated by the high temperature and high pressure with electronic glass fiber cloth impregnated with epoxy resin. With high mechanical and dielectric properties, good heat and wave resistance, also with good machinability; This product can meet the EU ROHS standard, it is widely export to southeast Aisa, European, India, etc. The more important is this G10 laminate is Halogen-free and fire retardant, which is eco-friendly and can be acceptable by European and American markets.



NO.	ITEM			UNIT	INDEX VALUE
1		Density		g/cm³	1.8-2.0
2	V	Vater absorption Rate	9	%	≤0.5
3	Ve	ertical bending streng	th	MPa	≥340
4	Verti	cal compression stre	ngth	MPa	≥350
5	Parallel im	Parallel impact strength (charpy type-gap)			≥37
6	F	Parallel shear strength			≥34
7		Tensile strength		MPa	≥300
			1mm		≥14.2
8	Vertical electric strength  (in oil of 90°C±2°C)		2mm	KV/mm	≥11.8
			3mm		≥10.2
9	Parallel break	down voltage(in oil of 90°C±2°C)		KV	≥40
10	Dielec	tric dissiption factor (50Hz)		-	≤0.04
11	Insulation Normal		mal	Ω	≥5.0×10 <sup>12</sup>
11	Resistance	After soaking for 24hours		22	≥5.0×10¹0
12	C	Combustibility (UL-94	.)	Level	V-0





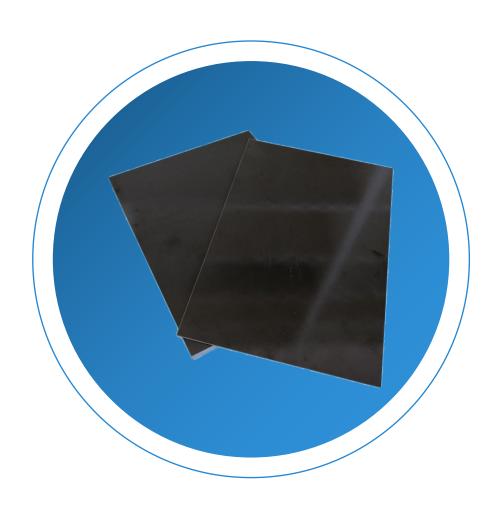
# Grade F Halogen-free fire retardant Epoxy glass fiber laminated sheet

This product is made with the electrician non-alkali glass fiber cloth as the backing material, with high TG phosphorous and nitrogen flame retardant epoxy resin as binder via hot pressing laminated products, high mechanical strength and low combustion performance under normal temperature, high temperature under 155 °C still has strong mechanical strength, good electrical properties under dry and wet state, can be used in damp environment and transformer oil,lt is a class F heat-resistant insulating material. Applicable to all kinds of motor, electrical, electronic and other fields, widely used in motor, electrical equipment as insulation structure parts, high voltage switch-gear, high voltage switch (such as motor stator insulation materials at both ends, rotor end plate rotor insulation piece, slot wedge, terminal board, etc.)



Performance Index	Grade F Halogen F
	Free
	sheet
	Main

NO.	ITEM		UNIT	INDEX VALUE
1	Density	g/cm³	1.8-2.0	
2	Water absorption Rate		%	≤0.5
3	Vertical banding strongth	Normal	MPa	≥380
3	Vertical bending strength	155±2℃		≥190
4	Compression strength	Vertical	MPa	≥300
7	Compression strength	Parallel	IVIF a	≥200
5	Impact strength (charpy type)	Lengthway no gap	KJ/m²	≥147
6	Bonding strength		N	≥6800
7	Tensile strength	Lengthway	MPa	≥300
,	Terisile strength	Horizontal	IVIF a	≥240
	Variant alore in a transition	1mm	KV/mm	≥14.2
8	Vertical electric strength (in oil of 90°C±2°C)	2mm		≥11.8
		3mm		≥10.2
9	Parallel breakdown voltage(1 min in oil of 90°C±2°C)		KV	≥40
10	Dielectric dissiption factor (50Hz)		-	≤0.04
	Insulation Resistance	Normal		≥1.0×10 <sup>12</sup>
11		After soaking for 24hours	Ω	≥1.0×10¹0
12	Combustibility (UL-94)		Level	V-0

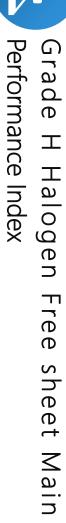




# Grade H Halogen-free fire retardant Epoxy glass fiber laminated sheet

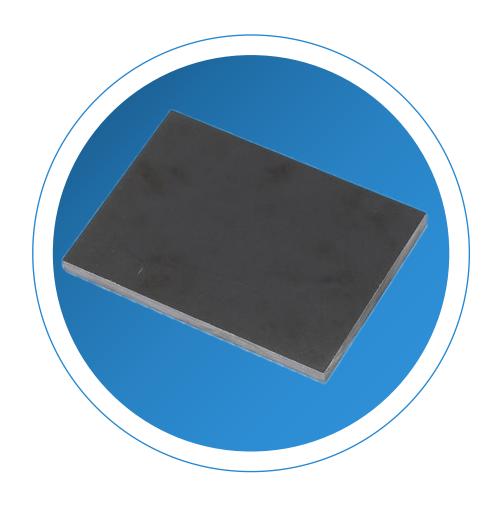
This product is a laminated product which made with the chemical treatment electrical purposed alkali-free glass cloth as the backing material, by hot pressing with high Tg epoxy resin as binder. It has high mechanical strength under high temperature, with good electrical stability under high humidity. The thermostability is grade F, and it is Halogen-free fire retardant suitable for all kinds of motor, electric appliances, electronic and other fields.





NO.	ITEM			UNIT	INDEX VALUE
1	Density			g/cm³	1.8-2.0
2	Water absorption I	Water absorption Rate			≤0.5
	Vertical bending strength	Normal	Lengthway	MPa	≥450
3		INOITHAL	Horizontal		≥380
3		180±5°C	Lengthway		≥250
		100 ± 3 €	Horizontal		≥190
4	Impact strength (charpy type)	No gap	Lengthway	KJ/m²	≥180
			Horizontal		≥137
5	5 Compression strength		Lengthway	MPa	≥500
5			Horizontal		≥250
6 Tensile strength		Lengthway	Lengthway	MPa	≥320
O	o rensile strength		Horizontal		≥300
7	Bonding strength			N	≥7200
	Vertical electric strength (in oil of 90°C±2°C)		1mm	KV/mm	≥17.0
8			2mm		≥14.9
			3mm		≥13.8
9	Parallel breakdown voltage(1 min in oil of 90°C±2°C)			KV	≥40
10	Dielectric dissiption factor (50Hz)			-	≤0.04
11	Parrallel Insulation Resistance Normal			Ω	≥1.0×10 <sup>12</sup>
12	Combustibility (UL-94)			Level	V-0







# 3241 Semiconductor epoxy glass cloth laminated sheet

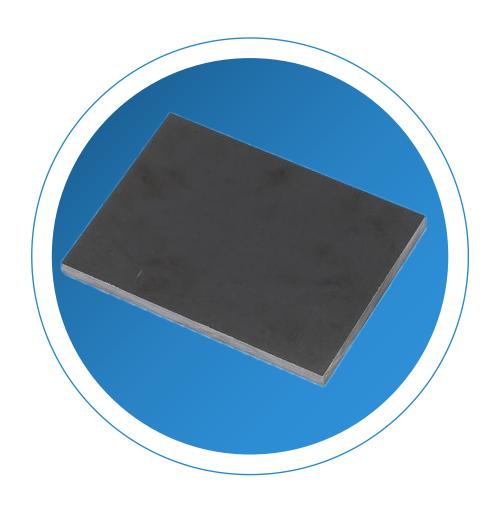
This product is a laminated product made by hot pressing with carbon black epoxy phenolic resin impregnation of electrical purposed alkali-free glass cloth. It has the properties of semiconductor and can be used as anti-coroning material between large motor grooves, and can also be used as non-metallic wear-resisting structural parts material under high conditions.



## Main Performance Index

NO.	ITEM	UNIT	INDEX VALUE
1	Density	g/cm³	1.8-2.0
2	Water absorption Rate	%	<0.5
3	Vertical bending strength	MPa	≥340
4	Vertical compression strength	MPa	≥330
5	Parallel impact strength (charpy type-gap)	KJ/m²	≥30
6	Tensile strength	MPa	≥200
7	Insulation Resistance	Ω	1.0×10 <sup>3</sup> ~1.0×1 0 <sup>6</sup>







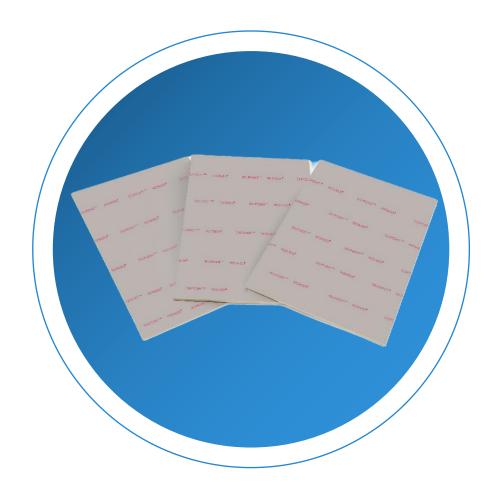
## Anti-static epoxy fiberglass laminated sheet

This product is a laminated product made from non-alkali glass cloth dipped in epoxy resin by hot pressing. It has anti-static (anti-static) characteristics and good mechanical processing performance. The anti-static plate can be divided into three types: full anti-static plate, single-sided anti-static plate and double-sided anti-static plate. Suitable for electronic and electrical industries.



### Main Performance Index

NO.	ITEM	UNIT	INDEX VALUE
1	Density	g/cm³	1.8-2.0
2	Water absorption Rate	%	<0.5
3	Vertical bending strength	MPa	≥350
4	Vertical compression strength	MPa	≥350
5	Parallel impact strength (charpy type-gap)	KJ/m²	≥33
6	Tensile strength	MPa	≥240
7	Surface Insulation Resistance	Ω	1.0×10 <sup>6</sup> ~1.0×10 <sup>9</sup>





# 3051 Epoxy Nomex Paper Laminated Sheet

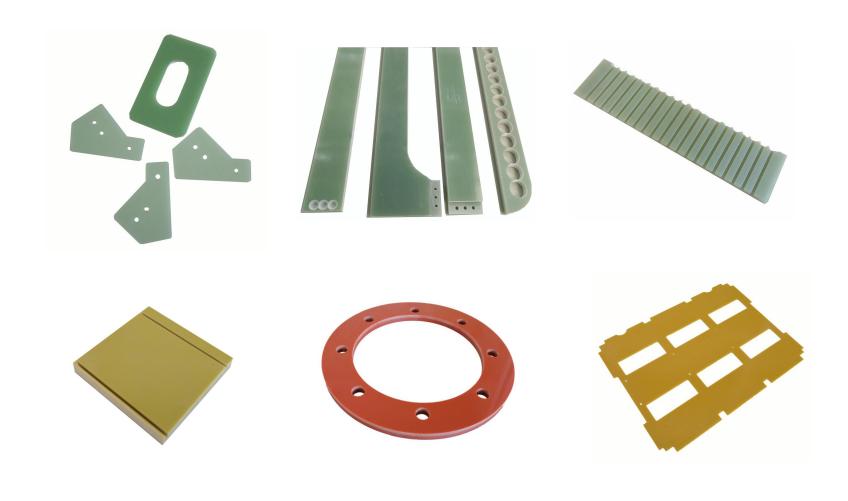
This product is made of Nomex dipping epoxy resin and drying and hot pressing laminate. It has arc resistance, flame retardant, high temperature resistance, good dielectric property and certain mechanical strength. It also has a series of properties such as good elasticity and bending after processing. It is suitable for MCB series circuit breakers with multi-break, short arc, large current and small volume, as well as H class high temperature resistant electrical insulation materials for various electrical equipment.



## 3051 Main Performance Index

NO.	ITEM	UNIT	INDEX VALUE	
1	Tensile strength		N/mm <sup>2</sup>	≥35
2	Vertical electric strength Normal		MV/m	≥30
3	Volumn Insulation Resistance Rate	Normal	Ω·m	≥1.0×10 <sup>11</sup>

The production of CNC machined components as per drawings of our customers is our speciality.





# PACKING AND SHIPPING





















scientific EXCELCIOR management THE WARREN WITH GLANTY AND SEEK WARREN WITH GLANTY customer first



- 1.PRODUCTS PASSED ROHS CERTIFICATE
- 2.ISO9001 QUALITY MANAGEMENT SYSTEM CERTIFICATION
- 3.HIGH AND NWE TECHNOLOGY ENTERPRISE CERTIFICATE
- 4.UTILITY MODEL PATENT CERTIFICATE











Production scale 生产规模

## Pictures:



# Test Equipment



UL94 Horizantal-vertical Burning
Flame Test Apparatus



High insulation resistance measuring instrument



HT-100 Breakdown Voltage Tester



Digital CHARPY Impact Tester



High temperature tensile testing machine



# Pictures of our Factory















# Order & arrange 30% deposit

1.Reach an agreement about the type/price/delivery data, and send us the order

2. Confirm PI and arrange deposit

### After sale service

1.Follow up the feedback after using our fiberglass sheets2.Deal with problems timely if any complaint happend

### Inquiry & Quotation

1. Customer send the inquiry, inform the size/thickness/application/main technical requirement/qty, Or send us the sample to test the technical date 2. We suggest the type of suitable epoxy fiberglass sheet and make the offer

# Arrange the Production & delivery

- 1.We arrange the production
- 2. Arrange the Booking 3-5days before the production finished (Customer can appointed the forwarder or use our forwarder)
- 3.In the meantime, customer arrange the balance before delivery.
- 4. Make the final inspection and make the delivery



### Professional and experienced manufaturer

• Professional focus on the manufacture of insulation laminated sheets almost 20 years



#### Professional R&D Team

• We have professional R&D team, to offer professional technical support to meet customer requirements and develop customized products



### Reliable quality

• Strict on-line quality control and professional final inspection to ensure the goods are meet your standarts



### Quick response and efficient service

• We will offer professional reply to you within 24 hours



### Fast delivery

• We will delivery the goods on schedule



### Q1:Are you trading company or manufacturer?

We are manufacturer, We have almost 20 years experience in producing insulation materials.

### Q2:Where is your factory located?How can I visit your factory?

Our factory is located in Jiujiang, Jiangxi Province.

### Q3:Which certificate do you have?

Our factory has passed the ISO 9001 quality managerment system certification; The products have passed ROHS test.

### Q4:How do you control the quality?

We have a complete quality control system, including incoming inspection, in-production inspection and final inspection.

### Q5:Can I get samples for free?

Of course, we can sent you a sample for free, customers just need to pay the express charge.

### Q6:How long is the delivery time?

Normally it is 3-7days if we have stocks, or it is 15-25days.

### Q7:How about the packaging?

Packed on non-fumigation plywood pallet with professional craft paper wrapped, or packing accroding to your requirements.

### Q8:How about the payment terms?

Payment≤1000 USD, 100% in advance. Payment≥1000 USD, 30% T/T in advance ,balance before shipment.



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