Product Catalogue



Huge Trading (Fuzhou) Co., Ltd.

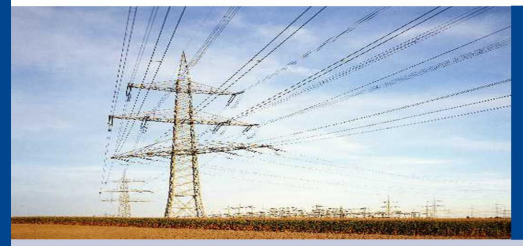
Add: Room 19-13, No. 1888 Yingbin Avenue, Fuzhou City, Jiangxi Province, China

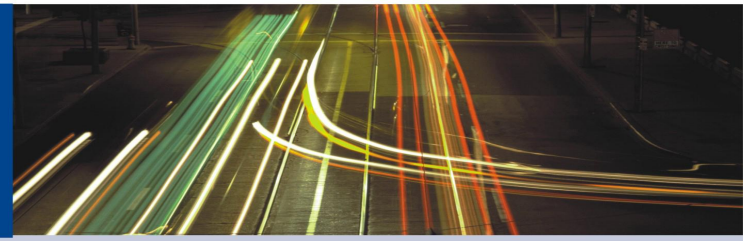
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HUGE TRADING (FUZHOU) CO., LTD.

Electric Power

Exhibition Show during MEE 2025





巨特贸易简介:

巨特贸易（抚州）有限公司，是抚州地区专注电力电气产品销售的专业企业，主营全品类电力电气相关产品。核心业务涵盖变压器全系列绝缘材料、干式变压器温控器与风机，同时供应电力变压器、油浸式变压器、干式变压器，以及电力变压站全套设备与配套服务。公司依托优质供应链，为客户提供一站式电力电气采购解决方案，以专业、靠谱的产品与服务，深耕电力行业，助力客户工程高效落地。



Introduction of Huge:

Huge Trading (Fuzhou) Co., Ltd. is a professional enterprise focusing on the sales of power electrical products in Fuzhou. We specialize in a full range of power electrical products, including all series of transformer insulating materials, temperature controllers and cooling fan flow for dry-type transformers. We also supply power transformers, oil-immersed transformers, dry-type transformers, as well as complete sets of equipment and supporting services for power transformer stations. Relying on high-quality supply chains, we provide customers with one-stop procurement solutions for power electrical products, and strive to support the efficient implementation of customers' projects with professional and reliable products and services in the power industry.



专业销售110/220以下等大型电力变压器

Specializing in the sale of large power transformers such as 110/220 kV and below...

绝缘材料专业生产设备展示

Display of professional production equipment for insulating materials













CONTENTS

1 Power Transformer, Oil immersed and Dry-type Transformers

2 DMD-B, DMD-F, DMD Prepreg, PMP, DDP, DDM

3 NMN, NHN, AHA, AMA, SHS Prepreg, GHG, KMK

4 Electrical Cotten Tape, Fiber Glass Tape, Polyester Heat Shrinking Tape, Crepe Paper Tube

5 Fiberglass Sleeve, Pattered Tube, Other Fiberglass Sleeves

6 PET Polyester Film, Polyimide Film, Fiberglass Mesh, Non-weft Tape, Silicone/Resin Cushion, Batten

CONTENTS

7 Fiberglass Tape, Fiberglass Cloth Tape, Insulating Cylinder, FR-4 Boardsheet, Phenolic Cloth Sheet, Laminated Woods

8 3250 Epoxy Board, Electrical Kraft Paper, Electrical Pressboard Paper, Crepe Tape, SMC Insulation Sheet

9 On-Load Tap changer for Dry-type Transformer
Other trading products for electrical and electronics

10 Cooling Fan of GF series dry-type transformer

11 Temperature controller of IB and BWDK dry-type transformer

12 Other trading products for electrical and electronics

专业销售110/220以下等大型电力变压器

Specializing in the sale of large Power Transformers such as 110/220 kV and below...



ISO 9001 CERTIFICATE



UL CERTIFICATE



UL CERTIFICATE



KEMA CERTIFICATE



KERI CERTIFICATE



SGS CERTIFICATE



SSZ22-63000/110
POWER TRANSFORMER
TYPE TEST REPORT



SCB13-500/10
DRY TYPE TRANSFORMER
TYPE TEST REPORT



SZ22-20000/35
POWER TRANSFORMER
TYPE TEST REPORT

POWER TRANSFORMER



Characteritcs & Dimensions

Ratings

- Frequency: 60 Hz 50 Hz
- Capacity: 100 MVA and below
- High Voltage :110kV and below
- Low Voltage: 35kV and below

Three (two) winding power transformer with OLTC (with off load is also available)
Vehicle-mounted mobile transformer substation can also be made



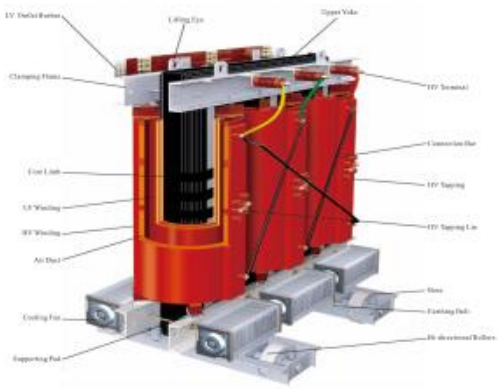
Rated capacity (kVA)	Voltage ratio and tap range (kV) HV	MV	LV	Connection Symbol	No-load loss (kW)	Full-load loss (kW)	No-load current (%)
6300	110 115 121 ± 10×1.5%	36 37 38.5 ± 10×1.5%	6.3 6.6 10.5 21	YNyn0d11 YNd11	8.9	44.0	0.66
8000					10.6	53.0	0.62
10000					12.6	62.0	0.59
12500					14.7	74.0	0.56
16000					17.9	90.0	0.53
20000					21.1	106.0	0.52
25000					24.6	126.0	0.48
31500					29.4	149.0	0.48
40000					34.8	179.0	0.44
50000					41.6	213.0	0.44
63000					49.2	256.0	0.40

We are able to make products up to 100MVA capacity, with MR,ABB or China top brand tap changer

专业销售干式变压器和单相柱上式变压器

Specializing in the sale of Cast Resin Dry Type Transformer and Single Phase Pole Mounted Transformers

DRY-TYPE TRANSFORMER





Characteritcs & Dimensions

Ratings

- Frequency: 60 Hz 50 Hz
- Capacity: 20MVA and below
- High Voltage : 35kV and below
- Low Voltage: 10kV and below

Three Phase

Capacity (KVA)	HV (kV)	Tap Range	LV (kV)	Vector Group	Short-Circuit Impedance (%)	No-load loss (W)	Load loss (W)	No-load Current (%)	Insulation Class	Weight (kg)	Overall Dimension(mm)			Gauge (mm)
											L	W	H	
30	6, 6.3, 10, 10.5, 11	±5% ±2*2.5%	0.4	Yyn0 Dyn11	4	190	710	2.3	F	330	900	660	760	550*550
50						270	1000	2.2		360	1000	660	790	550*550
80						370	1380	1.7		470	1050	660	820	550*550
100						400	1570	1.7		520	1080	660	860	550*550
125						470	1850	1.5		620	1120	760	900	660*660
160						540	2130	1.5		790	1200	760	950	660*660
200						620	2530	1.3		880	1240	820	1100	660*720
250						720	2760	1.3		1000	1100	820	1160	660*720
315						880	3470	1.1		1120	1110	820	1240	660*720
400						980	3990	1.1		1360	1110	820	1360	660*720
500						1160	4880	1.1		1460	1140	820	1430	660*720
630						1340	5880	0.9		1530	1280	820	1350	660*720
630					6	1300	5960	0.9		1570	1280	820	1300	660*720
800						1520	6960	0.9		1850	1290	820	1430	660*720
1000						1770	8130	0.9		2320	1420	960	1480	820*910
1250						2090	9690	0.9		2690	1430	960	1620	820*910
1600						2450	11730	0.9		3130	1460	960	1750	1070*910
2000						3050	14450	0.7		3600	1900	1255	1940	1070*1205
2500						3600	17170	0.7		4560	2030	1255	2020	1070*1205

1. We are able to design and make product up to 20MVA at 35kV
2. Cast resin transformer in amorphous iron core is also available by us

SINGLE PHASE POLE MOUNTED TRANSFORMER



Characteritcs & Dimensions

Ratings

- Frequency: 60 Hz
- Capacity:10kVA to 333kVA
- High Voltage :20kV and below
- Low Voltage: 120/240/277/480V

Single Phase 7620/13800V

Compliant with the IEEE C57.12 standard and the efficiency value of DOE 2016,also compliant CSA standard

CAPACITY (kVA)	η (%)	ε (%)	I_o (%)	CORE LOSS (W)	COPPER LOSS (W)	DIMENSION(MM)			OIL (L)	TOTAL W.T (kg)
						W	D	H		
10	97.2	3	1.9	45	180	440	520	940	30	100
15	97.3	3	1.8	58	215	450	530	970	30	130
25	97.5	2.8	1.7	82	295	500	580	980	40	180
37.5	97.7	2.6	1.6	110	400	520	600	1000	40	220
50	98.1	1.9	1.5	140	490	540	630	1060	45	280
75	98.2	1.8	1.4	200	700	590	670	1100	55	380
100	98.3	1.7	1.3	260	900	680	680	1120	60	450
167	98.4	1.6	1.2	450	1500	710	800	1190	80	580
250	98.5	1.5	1.1	650	2250	980	950	1350	215	980
333	98.6	1.4	1.0	800	3000	1040	960	1400	240	1100

We are able to make products over 333kva for your demands.

专业销售单相箱式变压器

Specializing in the sale of Single Phase Pad Mounted Transformers and Pad Mounted Transformers

SINGLE PHASE PAD MOUNTED TRANSFORMER



Characteritcs & Dimensions

Ratings

- Frequency: 60 Hz
- Capacity:10kVA to 333kVA
- High Voltage :20kV and below
- Low Voltage: 120/240/277/480V

Single Phase 7620/13800V

Compliant with the IEEE C57.12 standard and the efficiency value of DOE 2016,also compliant CSA standard

CAPACITY (kVA)	η (%)	ε (%)	I_0 (%)	CORE LOSS (W)	COPPER LOSS (W)	DIMENSION(MM)			OIL (L)	TOTAL W.T (kg)
						W	D	H		
10	97.2	3	1.9	45	180	440	520	940	30	100
15	97.3	3	1.8	58	215	450	530	970	30	130
25	97.5	2.8	1.7	82	295	500	580	980	40	180
37.5	97.7	2.6	1.6	110	400	520	600	1000	40	220
50	98.1	1.9	1.5	140	490	540	630	1060	45	280
75	98.2	1.8	1.4	200	700	590	670	1100	55	380
100	98.3	1.7	1.3	260	900	680	680	1120	60	450
167	98.4	1.6	1.2	450	1500	710	800	1190	80	580
250	98.5	1.5	1.1	650	2250	980	950	1350	215	980
333	98.6	1.4	1.0	800	3000	1040	960	1400	240	1100

We are able to make products over 333kva for your demands.

PAD MOUNTED TRANSFORMER



Characteritcs & Dimensions

Ratings

- Frequency: 60 Hz 50 Hz
- Capacity: 5000kVA
- High Voltage: 35kV and below
- Low Voltage: 10kV and below

Three Phase

Compliant with the IEEE C57.12 standard and the efficiency value of DOE 2016,also compliant CSA standard

Configuration	Power	W (mm)	H (mm)	D (mm)	W1 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	Weight (kg)
Standard configuration	≤125kVA	2000	1582	1116	1180	503	575	1240	2000
	160~500kVA	2000	1580	1350	1330	503	655	1340	2950
	630kVA	2000	1710	1560	1420	632	775	1480	3400
	800kVA	2000	1710	1600	1420	632	775	1480	3000
	1000kVA	2000	1710	1820	1420	632	815	1480	4000
	1250kVA	2000	1710	1840	1560	632	795	1480	4800
	1600kVA	2205	1710	1920	1630	632	920	1530	5700
Extra configuration	≤125kVA	2200	1900	1240	1180	632	575	1240	2200
	160~500kVA	2200	1900	1474	1330	632	655	1340	3150
	630kVA	2200	1900	1560	1420	632	775	1480	3600
	800kVA	2200	1900	1690	1420	632	775	1480	3800
	1000kVA	2200	1900	1780	1420	632	812	1480	4200

We can also design and produce single phase pad mount transformer.

专业销售油浸式变压器和变电站变压器

Specializing in the sale of Oil-immersed Transformer and Substation Transformer

OIL-IMMERSED TRANSFORMER



S-M series are energy-saving transformers, the iron cores are usinghigh quality high permeability oriented silicon steel sheet, optimized design,making on-load loss ratio is 27%averagely lower than S11 type they are onlynext to a new gene ration of energy-saving products which are S(B)H15 typeamorphous alloy transformers, so they have very high performance-priceratio.
Apply to power plant(station),substation(power distribution station)andindustrial, business, building etc.

Rated capacity (kVA)	Voltage Combination (kV)		Connection Symbol	No-load loss (kW)	Full-load loss (kW)	No-load current (%)	Impedance (%)	Weight(kg)		Outline Dimension(mm)			Gauge (mm)
	HV	LV						Oil Weight	Total Weight	L	W	H	
30	6 6.3 10 10.5 11 20 ±5% or ±2 x2.5%	0.4	Dyn11 Yyn0	80	630/600	2.3	4	65	290	740	550	900	400 x 400
50				100	910/870	2		75	370	780	530	940	400 x 400
63				110	1090/1040	1.9		85	440	800	540	980	400 x 400
80				130	1310/1250	1.9		95	505	840	620	1000	400 x 400
100				150	1580/1500	1.8		105	555	850	700	1020	400 x 400
125				170	1890/1800	1.7		115	645	860	680	1090	550 x 550
160				200	2310/2200	1.6		130	780	920	760	1110	550 x 550
200				240	2730/2600	1.5		140	855	930	860	1130	550 x 550
250				290	3200/3050	1.4		165	1000	1220	790	1180	550 x 550
315				340	3830/3650	1.4		190	1200	1290	840	1240	550 x 550
400				410	4520/4300	1.3		215	1380	1310	860	1290	660 x 660
500				480	5410/5150	1.2		240	1560	1390	910	1230	660 x 660
630				570	6200	1.1	4.5	280	1890	1480	940	1360	660 x 660
800				700	7500	1		350	2500	1580	980	1480	820 x 820
1000				830	10300	1		535	3110	1750	1100	1530	820 x 820
1250				970	12000	0.9		540	3630	1810	1180	1620	820 x 820
1600				1170	14500	0.8		655	4240	1890	1350	17250	820 x 820

Note:
For rated capacity for 500 kVA and below transformers,above the diagonal values of loss of load application in Dyn11 connection group,below the diagonal load loss value appliacble to Yyn0 connected node.

SUBSTATION TRANSFORMER



•YB series high/low voltage prefabricated transformer substation is made from high voltage electric power equipment, distribution transformer, low voltage electrical equipment, energy measurement device and power factor compensation device etc part of the integration of power equipment, as a power supply, allocation of power equipment, has convenient installation, simple operation etc trait.
•Apply to industrial, commercial, construction, transportation and other fields.

No.	Project Name	Unit	HV Electrical Apparatus	Transformer	LV Electrical Apparatus
1	Rated Voltage	kV	6; 12	6/0.4; 10/0.4	0.4
2	Rated Capacity	kVA		I 200~1250	
				II 50-400	
3	Rated Current	A	630,800,1250		200-2000
4	Rated Breaking Current	A	负荷开关 Load switch 630A		15-63
		kA	Composite Apparatus Depends On Fuse		
5	Rated Short Time Withstand Current	kA	20 kA	200~400kVA	15x1
			25 kA	>400kVA	30x1
6	Rated Peak-value Withstand Current	kA	31.5; 50	200~400kVA >400kVA	30 60
7	Rated Making Current	kA	31.5; 50		
8	Power Frequency Withstand Voltage	kV	Relative and Alternate 42	Oil-immersed 35	W300V; 2
			Isolating Fracture 48	Dry-type 35	>300V; 2.5
9	Lightning Impulse Withstand Voltage (Peak-value)	kV	Relative and Alternate 75	75	
			Isolating Fracture 85		
10	Tank Protection Grade		IP3X	IP2X	IP30
11	Noise Level	dB		Oil-immersed < 55	
				Dry-type <65	

Notes: When transformer capacity is less than 200kVA, items 5,6 is not required.

专业销售六氟化硫气体全绝缘环网柜和变电站变压器

Specializing in the sale of Sf6 Gas fully Insulated Ring Main Unit

FLUMAX-12/24/40.5

Sf6 Gas fully Insulated ring main unit



Product Overview

FLUMAX–12/24/40.5 is an SF6 gas–insulated metal–enclosed switchgear that can be both fixed–combination and expandable. All high–voltage live parts are fully sealed in a 3 mm thick 304 stainless steel gas tank filled with SF6 gas , making it compact in size. The entire switchgear is unaffected by external environmental conditions, operates safely and reliably over the long term, and is maintenance–free. When using a compact combined design with a shared tank, it is customized; the factory produces it according to specific application environments, saving costs and simplifying installation. With a single–unit modular design, arbitrary combinations can be achieved through extended busbars,achieving full modularization. The extended busbars are fully insulated and shielded, ensuring high reliability and safety.

YUANGUANG can provide factory–based intelligent and digital solutions according to user needs.

FLUMAX-12/24/40.5

Sf6 Gas fully Insulated ring main unit

Modules and Selection

Model and Name	Rated voltage	Rated short-time withstand current	Main unit module
FLUMAX-12/24/40.5	12KV 24KV	25KA/4S 20KA/4S	V: Circuit Breaker Cabinet C: Load Switch Cabine F: Fuse Protection Cabinet
Sf6 Gas fully Insulated ring main unit	40.5KV 40.5KV	31.5KA/4S 40KA/4S	M: Metering Cabinet PT: Voltage Transformer Cabinet D: Cable Through Cabinet

Other unit modules can provide non-standard customized production such as mother-unit segmentation/lifting/upward entry and exit/side exit according to user needs.

Device size

Standard dimensions of the common air box (unit: mm)

Unit Module	FLUMAX-12	FLUMAX-24
V/C/F/D	354*750*1950	400*822*1950
PT	400*750*1950	554*822*1950
M	750*820*1950	900*1000*1950

Note: After production is completed, on-site splitting and expansion are not allowed.

1. Except for the metering cabinet, the standard height is 1600mm, and the standard height of the low-voltage box is 350mm. For a multi-compartment box, the overall width of the combination is calculated by adding the widths of each unit plus the side frames of 46mm (23mm per side*2). For example, for a CCF multi-compartment box, 354*3+46=1108, so the total width of this combination is 1108mm.

2. For non-standard sizes, please contact us before placing an order.

Single-unit standard size (unit: mm)

Unit Module	FLUMAX-12	FLUMAX-24
V/C/F/D	400*750*1950	446*822*1950
PT	600*750*1950	750*820*1950
M	600*822*1950	900*1000*1950

Unit Module	LUMAX-40.5	FLUMAX-40.5
Rated current	630A	1250A-3150A
V/C/F/D	500*985*2500	1000*1750*2500
PT	600*985*2500	800/1000*1750*2500
M	1200*1800*2500	1200/1400*1800*2500

After production is completed, it can be segmented and used on-site or expanded.

Technical Specifications

Project Parameters		Unit	C Load switch cabinet		F Fuse protection cabinet	V Circuit breaker cabinet	
Rated voltage		KV	12/24	40.5	12/24	12/24	40.5
Rated current		A	630		125	630	630/1250/3150
Rated frequency		Hz	50		50	50	
Rated power frequency withstand voltage	Phase-to-phase and phase-to-ground	KV	42/65	95	42/65	42/65	95
	Fracture	KV	48/79	118	48/79	48/79	118
Rated lightning impulse voltage	Phase-to-phase and phase-to-ground	KV	75/125	185	75/125	75/125	185
	Fracture	KV	85/145	215	85/145	85/145	215
Mechanical lifespan		Time	5000		5000	10000	
Protection level		-	IP4X		IP4X	IP4X	

For more technical specifications, please call for consultation.

1.0 Familiar with EPC Project such as sales of Power/Distribution Transformer, DTT, Pad Mounted/Furnace and Single Phase Transformer etc...

Projects & Services

Up to 2022, there are about 3300 pcs transformer of us are working well in more than 20 countries, covering Asia, Africa, Americas and Oceania, including the power transformer, distribution transformer, furnace transformer, cast resin transformer, pad mount transformer, box type transformer and single phase transformer.



65MVA/154KV Power Transformer (OLTC) In Turkey



50MVA/115KV Power Transformer (OLTC) in Iran (forced oil water cooled type)



20MVA/11KV Power Transformer (OCTC) in Pakistan



20MVA/35KV Furnace Transformer in Philippines (forced oil water cooled type)



16MVA/35KV Cast Resin Transformer (OLTC) in China



10MVA/35KV Cast Resin Transformer (OLTC) in China

Product Series

Power Transformer



Distribution Transformer



Dry Type Transformer



Pad Mount Transformer



Furnace Transformer



Single Phase Transformer



Switchgear



1.1 Selling EPC products such as CRT, Oil immersed transformer, etc



Selling big oil immersed transformer, Power transformer and distribution transformers to Laos, Myanmar, Vietnam, Pakistan, Africa, Cuba, Cambodia, Bangladesh, U.A.E

产品主要销往老挝、缅甸、越南、巴基斯坦、非洲、古巴、柬埔寨、孟加拉国、阿联酋等国家

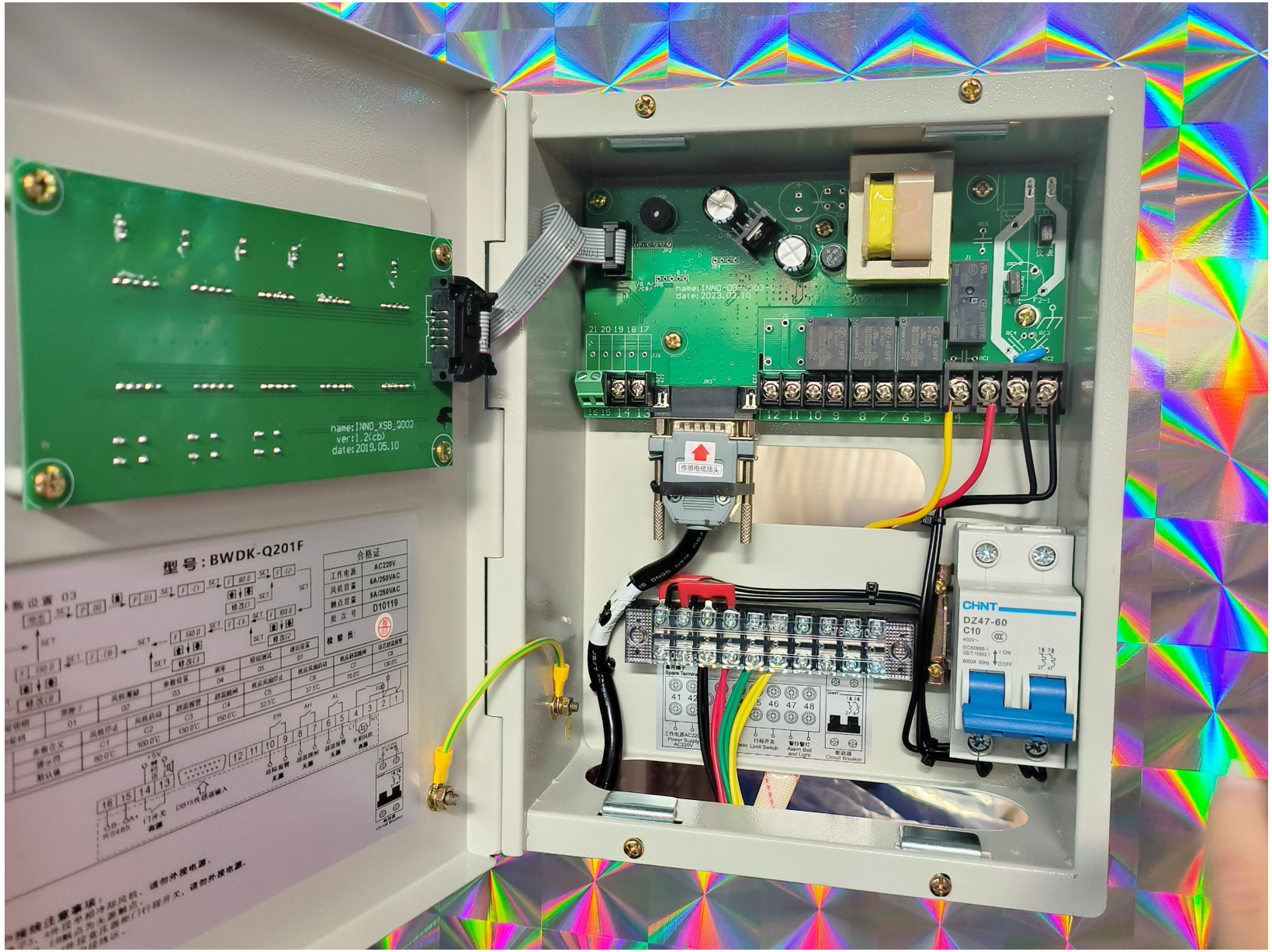
1.2 Selling EPC products such as CRT, Oil immersed transformer, etc



Selling big oil immersed transformer, Power transformer and distribution transformers to Laos, Myanmar, Vietnam, Pakistan, Africa, Cuba, Cambodia, Bangladesh, U.A.E

产品主要销往老挝、缅甸、越南、巴基斯坦、非洲、古巴、柬埔寨、孟加拉国、阿联酋等国家

1.3 Selling EPC products such as Distribution cabinet, Power Transformers



Selling big oil immersed transformer, Power transformer and distribution transformers to Laos, Myanmar, Vietnam, Pakistan, Africa, Cuba, Cambodia, Bangladesh, U.A.E

产品主要销往老挝、缅甸、越南、巴基斯坦、非洲、古巴、柬埔寨、孟加拉国、阿联酋等国家

1.4 Selling EPC products such as Oil immersed transformer



Selling big oil immersed transformer, Power transformer and distribution transformers to Laos, Myanmar, Vietnam, Pakistan, Africa, Cuba, Cambodia, Bangladesh, U.A.E

产品主要销往老挝、缅甸、越南、巴基斯坦、非洲、古巴、柬埔寨、孟加拉国、阿联酋等国家

1.5 Selling EPC products such as Distribution cabinet



Selling big oil immersed transformer, Power transformer and distribution transformers to Laos, Myanmar, Vietnam, Pakistan, Africa, Cuba, Cambodia, Bangladesh, U.A.E

产品主要销往老挝、缅甸、越南、巴基斯坦、非洲、古巴、柬埔寨、孟加拉国、阿联酋等国家

1.6 Selling EPC Products such as CRT, Oil immersed transformer, etc





DMD-B (Polyester fiber non-woven fabric composite DMD)

Product Name: DMD (Polyester fiber non-woven fabric composite DMD)

Description: 6630 DMD Flexible Material is a three-layer flexbile composite material, produced by using Class B adhesive to adhere the two faces of high-melt-point polyester film with hot-rolled non-woven polyester fabric.



Width: 10mm-1500mm

Temperature resistance: Class B 130 ℃

Notes: General speaking the maxi. width is 1500mm
The common thickness is 0.17mm,0.2mm,0.25mm,0.3mm

Product Name: 6630 DMD			Temp.: Class B (130℃)					
Property		Unit	Values					
Normal Thickness		mm	0.15	0.17	0.2	0.25	0.3	0.35
Thickness Tolerance		mm	±0.02		±0.03		±0.04	
Quantitative		g/m2	140±20	190±28	225±33	300±40	350±52	524±63
Tensile Strength	Longitude No Bending	N/10mm	≥90	≥120	≥140	≥190	≥270	≥320
	Longitude After Bending		≥80	≥105	≥120	≥170	≥200	≥300
	Transverse No Bending		≥80	≥105	≥120	≥170	≥200	≥300
	Transverse After Bending		≥70	≥95	≥100	≥130	≥150	≥200
Elongation	No bonding at Longi.	%	≥10				≥5	
	No bonding at Trans.		≥20				≥5	
Breakdown Voltage	No Bending	kV	≥6	≥7	≥9	≥12	≥15	≥18
	After Bending		≥5	≥6	≥8	≥11	≥13	≥16
Bond Strength at Room Temp.		---	No Delamination					
Heat State Bond Strength(180±2)℃ 10 Min		---	No Delamination, No Blister, No Adhesive Flow					

Characteristic: It has excellent dielectric and heat resistance

Application: The Class B 6630 DMD is suitable for slot liner, slot closure phase and turn-to-turn insulation in electrical motors. It can be used as interlayer insulation in transformer, electric motors, generators and other electrical appliances.



DMD-F (Polyester fiber non-woven fabric composite DMD)

Product Name: DMD (Polyester fiber non-woven fabric composite DMD)

Description: 6641 DMD Flexible Material is a three-layer flexbile composite material, produced by using Class F adhesive to adhere the two faces of high-melt-point polyester film with hot-rolled non-woven polyester fabric.



Width: 10mm-1500mm

Temperature resistance: Class F 155 ℃

Notes: General speaking the maxi. width is 1500mm
The common thickness is 0.17mm,0.2mm,0.25mm,0.3mm

Product Name: 6641 DMD			Temp.: Class F (155℃)				
Property		Unit	Values				
Normal Thickness		mm	0.15	0.20	0.25	0.30	0.35
Thickness Tolerance		mm	±0.02	±0.03		±0.04	
Quantitative		g/m2	140±20	190±28	225±33	300±40	350±52
Tensile Strength	Longitude No Bending	N/10mm	≥80	≥105	≥130	≥150	≥180
	Longitude After Bending		≥70	≥95	≥120	≥130	≥160
	Transverse No Bending		≥80	≥120	≥150	≥170	≥200
	Transverse After Bending		≥80	≥105	≥130	≥150	≥180
Elongation	No bonding at Longi.	%	≥10				
	No bonding at Trans.		≥15				
Breakdown Voltage	No Bending	kV	≥6	≥8	≥11	≥13	≥16
	After Bending		≥5	≥7	≥10	≥12	≥15
Bond Strength at Room Temp.		---	No Delamination				
Heat State Bond Strength(180±2)℃ 10 Min		---	No Delamination, No Blister, No Adhesive Flow				

Characteristic: It has excellent dielectric and heat resistance

Application: The Class B 6630 DMD is suitable for slot liner, slot closure phase and turn-to-turn insulation in electrical motors. It can be used as interlayer insulation in transformer, electric motors, generators and other electrical appliances.



DMD Prepreg

Product Name: DMD Prepreg



Description: Thee layers Flexible insulating laminates, used for insulation of distribution cast resin transformers in thermal Class F(155℃)

Notes: The product can be supplied inwidth from 5mm 1500mm, cut in rolls, sheets or die-cut as per client spec., Core internal dia is 76mm, external dia approx. 250mm.

Thickness: 0.16mm, 0.18mm, 0.20mm, 0.23mm, 0.28mm

Product Name: Class F DMD Prepreg		Temp.: Class F (155℃)					
Property	Unit	Values					
Normal Thickness	mm	0.15	0.18	0.20	0.25	0.30	0.40
Thickness Tolerance	mm	±0.02		±0.03			±0.04
Tensile Strength	N/10mm	≥70		≥80		≥100	
Soluble Resin Content	g/m²	≥45					
Volatile Content	%	≤1.5					
Tensile Shear Strength	M/Pa	≥3.0					
Breakdown Voltage	kV	≥7		≥8		≥10	
Oil resistance (150℃/24h)	Surface smooth, no blister, no corrugation						
Resin Content	%	≥30%					

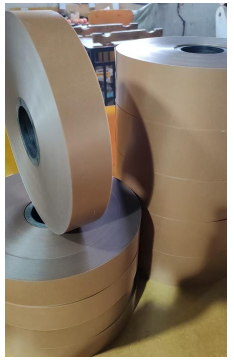
Characteristic: Class F DMD Prepreg is made o polyester film polyester fiber non-woven soft composite material impregnated with heat -resistance epoxy resin through baking.

Application: The product is especially used in cast resin distribution transformer. Resin content: 38g/m², Pell 70N/15min.



PMP (Capacitor film laminated with mylar)

Product Name: PMP



Description: Electrical composite insulation material PMP is three layers flexible insulating laminates. Used for insulation of instrument transformers thermal Class A.

Notes: The product can be supplied in width from 5mm to 560mm, cut in rolls according to customer specs.

Thickness: 0.05mm, 0.06mm, 0.075mm, 0.10mm, 0.12mm

Product Name: PMP		Temp.: Class A (105℃)				
Property	Unit	Values				
Normal Thickness	mm	0.05	0.06	0.07	0.08	0.10
Thickness Tolerance	mm	±0.005	±0.006	0.07	±0.007	±0.01
Tensile Strength	N/10mm	≥50	≥60	≥70	≥80	≥100
Quantitative	g/m²	65±7	80±8	90±9	100±10	140±14
Breakdown Voltage	kV	≥5	≥6	≥7	≥8	≥10
Bond Strength at Room temp.	--	No Delamination				
Heat State Bond Strength(130±2)℃ 10 Min	--	No Delamination, No Blister, No Adhesive Flow				
Oil resistance (150℃/24h)	Surface smooth, no blister, no corrugation					
Shrinkage Rate	%	<3				

Characteristic: PMP insulation paper has high dielectric properties, tear strength and tensile strength, good impregnation performance.

Application: It's the best choose to high voltage instrument transformer.



DDP (DIAMOND DOTTED PAPER)

Product Name: DDP (Diamond Dotted Paper)



Description: Electrical craft paper dotted diamond shape epoxy resin in both sides in thermal Class A.

Resin Color: Transparent resin, Red resin

Notes: The product can be supplied inwidth from 5mm to 1000mm, cut in rolls, sheets or die-cut as per client spec., Core internal dia is 76mm, external dia approx. 250mm.

Thickness: 0.08mm, 0.13mm, 0.18mm, 0.25mm

Product Name: DDP								
Property		Unit	Values					
Thickness		mm	0.08±0.005	0.13±0.007	0.18±0.010	0.20±0.010	0.25±0.010	
Density		g/cm³	0.85~1.10					
One side adhesive thickness		um	5~15					
Moisture		%	4~8					
Oil absorption		%	≥20					
Oil absorption	Normal	kpa	≥20					
	100℃±2℃		≥400					
Pollution of transformer oil		Surface smooth, no blister, no corrugation						
Shrinkage Rate		/	No pollution (Δ(tanδ＜0.001)					
Tensile strength	MD	N/10mm	≥60	≥110	≥60	≥160	≥230	
	CD		≥30	≥50	≥70	≥80	≥100	
Tear Strength	MD	N/m	≥450	≥900	≥1350	≥1500	≥2000	
	CD		≥500	≥1000	≥1500	≥1700	≥2300	
Arc Resistance	In air	kV	≥0.88	≥1.37	≥2.00	≥2.10	≥2.25	
	In oil		≥4.40	≥7.00	≥9.00	≥9.80	≥11.50	
Product curing conditions:			Heated to 90℃ ± 5℃, to maintain 3 hours after the heating up to 125℃±5℃, 6 hours to maintain the conditions of curing.					

Characteristic: Good dielectric properties and machanical properties after being heat-solidification. The epoxy resin used in DDP contains a kind of incubate hardener material, it is a dry ad crisp material at certain temperature.



Application: As interturn insulation for coils of oil-immersed transformers and interlayer insulation of distribution transformers.

DDM (DIAMOND DOTTED MYLAR)

Product Name: DDM



Description: DDM diamond dotted insulation Mylar is made of electrical polyester film with diamond-shape epoxy resin dotted in both sides.

Temperature resistance: Class B (130℃)

Thickness: 0.075mm, 0.10mm, 0.125mm, 0.188mm, 0.25mm

Notes: The product can be supplied in width from 5mm to1000mm, cut in rolls, sheets or die-cut according to the customer specification.

Structure: Single layer、Mylar(Polyester) film、Diamond shape epoxy resin on the surface

Name	DDM (Diamond Dotted Mylar)		Reference Standard	JB/T 10714.4-2007
No.	Performance	Unit	Standard Requirement	Result
1	Appearance	-	Neat and stain free	Qualified
2	Single side adhesive thickness	um	17.5±2.5	Qualified
3	One side adhesive thickness	mm	±0.007	Qualified
4	Moisture	%	≤3	Qualified
5	Oil absorption	Mpa	≥150	Qualified
6	Moisture	%	≥80	Qualified
7	Oil absorption	kV	≥7	Qualified
8	Moisture	-	≥130	Qualified

Characteristic: Good dielectric properties and machanical properties after being heat-solidification. The epoxy resin used in DDM contains a kind of incubate hardener material, it is a dry ad crisp material at certain temperature.



Application: As inter-turn insulation for voltage transformers

NMN (NPN) NOMEX ARAMID LAMINATED PAPER THREE LAYERS

Product Name: NMN (NPN)



Description: Class F 6640 NPN(NMN) insulate paper is a three-layer combined flexible material produced by adhering the two faces of polyester film with Nomex aramid paper under high-temp and high-pressure conditions.

Width: 5mm-914mm

Temperature resistance: Class F (155℃)

Notes: General speaking the Width of the products is 914mm.
We also can make difference Width for clients accoding to customer specis.
The common thickness is 0.17mm, 0.2mm, 0.25mm, 0.3mm, 0.35mm.

Structure: Three layers with Class H glue, NOMEX aramid paper, Polyester film, Nomex aramid paper

Product Name: 6640 NMN				Temp.: Class F (155℃)						
Property			Unit	Values						
Normal Thickness			mm	0.15	0.18	0.20	0.23	0.25	0.30	0.35
Thickness Tolerance			mm	±0.02		±0.03				
Quantitative			g/m2	180±25	210±30	240±30	260±35	300±40	350±50	430±50
Tensile Strength	Longitude	No Bending	N/10mm	>150	>160	>180	>200	>220	>270	>320
		After Bending		>80	>110	>130	>150	>180	>200	>250
	Transverse	No Bending		>90	>110	>130	>150	>180	>200	>250
		After Bending		>70	>90	>110	>130	>150	>170	>200
Elongation	No bonding at Longi.		%	>10		≥12				
	No bonding at Trans.			>15		≥18				
Breakdown Voltage	No Bending		kV	>7	≥10	≥11	≥12	≥13	≥15	≥18
	After Bending			>7	≥8	≥9	≥10	≥12	≥13	≥16
Bond Strength at Room Temp.			---	No Delamination						
Heat State Bond Strength(180±2)℃ 10 Min			---	No Delamination, No Blister, No Adhesive Flow						

Characteristic: It has excellent heat resistance, dielectric property and mechanical strength.

Application: It is suitable for slot, liner and turn-to-turn insulation of Class F motors and electric appliance.



NHN (NOMEX PAPER THREE LAYERS)

Product Name: 6650 NHN nomex paper three layers



Description: DDM Polyimide film/polyaramid fibre paper flexibile laminate (NHN) is a three-layer composite paper.

Width: 5mm-914mm

Temperature resistance: Class H (180℃)

Thickness: 0.075mm, 0.10mm, 0.125mm, 0.188mm, 0.25mm

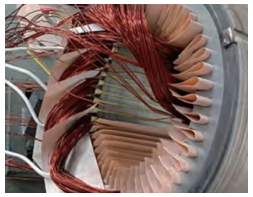
Notes: General speaking the Width of the products is 1000mm.
We also can make difference Width for clients accoding to customer specis.
The common thickness is 0.17mm, 0.2mm, 0.25mm, 0.3mm, 0.35mm.

Structure: Three layers with Class H glue, NOMEX aramid paper, Polyester film, Nomex aramid paper

Product Name: 6650 NHN				Temp.: Class H (180℃)						
Property			Unit	Values						
Normal Thickness			mm	0.15	0.17	0.20	0.23	0.25	0.30	0.35
Thickness Tolerance			mm	±0.02		±0.03		±0.04		±0.05
Quantitative			g/m2	155±25	175±25	195±30	230±35	260±40	300±45	330±50
Tensile Strength	Longitude	No Bending	N/10mm	>120	>140	>160	>180	>200	>250	>270
		After Bending		>70	>90	>90	>130	>150	>170	>180
	Transverse	No Bending		>80	>90	>100	>110	>120	>150	>170
		After Bending		>50	>70	>80	>80	>110	>110	>130
Elongation	No bonding at Longi.		%	>10						
	No bonding at Trans.			>8						
Breakdown Voltage	No Bending		kV	≥8		≥9			≥10	
	After Bending			≥6		≥8			≥9	
Bond Strength at Room Temp.			---	No Delamination						
Heat State Bond Strength(200±2)℃ 10 Min			---	No Delamination, No Blister, No Adhesive Flow						

Characteristic: The polyaramid fibre paper is bonded to two sides of polyimide film. It has high machanical strength excellent electrical property and immersing the function.

Application: It is widely application for insulation, phase to phase insulation and insulation in Class B F H electric motors and electrical apparatus.



AHA WITH CHINESE ARAMID FLEXIBLE PAPER

Product Name: AHA with Chinese Aramid flexible paper



Description: Polyimide film/polyaramid fibre paper flexibile laminate (NHN with Chinese aramid paper) is a three-layer composite paper, which can instead of dupont nomex NHN.

Width: 5mm-914mm

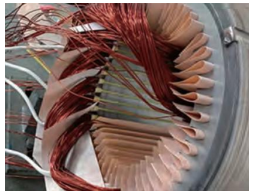
Temperature resistance: Class H (180℃)

Structure: Three layers with Class H glue, Chinese aramid paper, Polyimide film, Chinese aramid paper.

Notes: General speaking the Width of the products is 914mm.
We also can make difference Width for clients accoding to customer specis.
The common thickness is 0.17mm, 0.2mm, 0.25mm, 0.3mm, 0.35mm.

Product Name: NHN with Chinese Aramid paper three layers				Temp.: Class H (180℃)							
Property			Unit	Values							
Normal Thickness			mm	0.15	0.17	0.20	0.23	0.25	0.30	0.35	
Thickness Tolerance			mm	±0.02		±0.03		±0.04		±0.05	
Quantitative			g/m2	155±25	175±25	195±30	230±35	260±40	300±45	330±50	
Tensile Strength	Longitude	No Bending	N/10mm	>120	>140	>160	>180	>200	>250	>270	
		After Bending		>70	>90	>90	>130	>150	>170	>180	
	Transverse	No Bending		>80	>90	>100	>110	>120	>150	>170	
		After Bending		>50	>70	>80	>80	>110	>110	>130	
Elongation	No bonding at Longi.		%	>10							
	No bonding at Trans.			>8							
Breakdown Voltage	No Bending		kV	≥8		≥9			≥10		
	After Bending			≥7		≥8			≥9		
Bond Strength at Room Temp.			---	No Delamination							
Heat State Bond Strength(200±2)℃ 10 Min			---	No Delamination, No Blister, No Adhesive Flow							

Characteristic: The polyaramid fibre paper is bonded to two sides of polyimide film. It has high machanical strength excellent electrical property and immersing the function, which performance can be instead of NHN nomex paper and have a lower cost.



Application: It is widely application for insulation, phase to phase insulation and insulation in Class B F H electric motors and electrical apparatus.

AMA WITH CHINESE ARAMID LAMINATED PAPER THEE LAYERS

Product Name: AHA Chinese aramid laminated paper three layers

Description: NHN with Chinese aramid paper is a three-layer combined flexible materials produced by adhering the two faces of polyester film with aramid paper under high-temp. and high-pressure conditions.



Temperature resistance: Class F (155℃)

Width: 5mm-914mm

Structure: Three layers with Class H glue, Chinese aramid paper, Polyester film, chinese aramid paper.

Characteristic: It has excellent heat resistance, dielectric property and mechnical strength, which performance can be instead of NMN nomex Paper and have a lower cost.

Application: It is suitable for slot, liner and turn-to-turn insulation of Class F motors and electric appliances.

Product Name: AMA Chinese aramid laminated paper three layers					Temp.: Class F (155℃)		
Type	Nominal Thickness	Tolerance	Nominal Gram.	PET film thickness	Tensile Strength Not Bended		BDV Not Bended
Unit	mm	±%	g/m2	um	MD≥	±%	kV≥
No.					N/10mm	N/10mm	
1	0.13	15	150±30	50	100	80	6
2	0.17	15	200±30	75	160	90	8
3	0.20	15	240±30	100	170	105	11
4	0.23	15	270±30	125	190	120	12
5	0.25	15	300±40	150	220	150	14
6	0.30	15	350±50	188	270	300	19
7	0.38	10	450±54	250	330	300	23
8	0.47	10	590±70	350	400	350	28
9	0.50	10	620±70	450	440	350	28
Adhesive Property 180℃±2℃, 10 min No delamination, blister, or adhesive flow							

Notes:
General speaking the Width of the products is 914mm.
We also can make difference Width for clients accoding to customer specis.
The common thickness is 0.17mm, 0.2mm, 0.25mm, 0.3mm, 0.35mm.



SHS PREPREG

Product Name: SHS PREPREG



Description: SHS Prepreg is a flexible composite material composed of polyimide film coated with Class H adhesive and polyester fiber non-woven fabric, which is impregnated with epoxy prepreg semi-cured resin to become a reliable hot adhesive material.

Width: 5mm-1000mm

Temperature resistance: Class H (180℃)

Notes: General speaking the Width of the products is 1000mm.
We also can make difference Width for clients accoding to customer specis.

Product Name: SHS PREPREG				Temp.: Class H (180℃)		
No.	Items		Unit	Standard	Result	Conclusion
1	Thickness		mm	-	0.14	Qualified
2	Density		g/m2	-	138.7	Qualified
3	Tensile Strength	Vertical non bending	N/10mm	-	81.5	Qualified
4		Horizontal non bending		-	39.7	Qualified
5	Elongation	Vertical non bending	%	-	17	Qualified
6		Horizontal non bending		-	24	Qualified
7	Breakdown Voltage(in air)		kV	-	5.4	Qualified
8	Lamination		-	-	No layering, no bubbles or other defects	Qualified

Characteristic: High mechanical strength and excellent dielectric properties, Suitable for high-strength insulation systems. Excellent heat resistance, can be used as Class H (180℃) insulation.



Application: It is suitable for interlayer insulation, end sealing insulation, and ground insulation of Class H dry type transformer, as well as interturn insulation of motors.

MGM GLASSFIBER WITH TWO SIDES MAYLAR

Product Name: MGM Glassfiber with two sides mylar



Description: MGM polyester film glass cloth insulation composite material is a three-layer electrical insulation composite material composed of two layes of 6020 electrical insulation polyester film, the upper and lower layers, and the middle layer of glass fiber cloth adhesive composite.

Temperature resistance: Class F (155℃)

Width: 5mm-1000mm

Notes: General speaking the Width of the product is 1000mm.
We also can make difference Width for clients accoding to customer specis.

No.	Items		Unit	Value					
1	Thickness		mm	0.13	0.15	0.17	0.20	0.25	0.30
2	Thickness Tolerance		mm	±0.015		±0.02			±0.03
3	Density		g/m2	178	197	233	267	337	407
4	Density Tolerance		g/m2	±15	±20	±25	±25	±30	±35
5	Tensile Strength	Vertical non bending	N/10mm	≥150					
6		Horizontal non bending	N/10mm	≥150					
7	Elongation	Vertical non bending	%	≥60					
8		Horizontal non bending	%	≥60					
9	Breakdown Voltage(in air)	No bending	kV	≥11	≥13	≥14	≥15	≥18	≥21
10	High temperature dimensional stability		℃	≥200					
11	Nomal adhesion		–	No layering					
12	Hot adhesion (200±2℃) for 10 minutes		–	No layering, no foaming, no glue flow					
13	Temperature index (T-1)		–	≥155					

Characteristic: High mechanical strength and excellent dielectric properties, Suitable for high-strength insulation systems. Excellent heat resistance, can be used as Class F (155℃) insulation.



Application: MGM Polyester film glass cloth insulation composite material is used for slot insulation, pad insulation, and interturn insulation in stator windings of motors and electrical appliances. It is also applied to coil interlayer insulation, end sealing insulation, gasket insulation, etc. of dry type transformers

GHG (Polyimide film with two sides glass fiber composited GHG)

Product Name: GHG

Description: GHG flame-retardant composite material is a three layer soft composite material made of polyimide film coated with Class H flame-retardant resin and compounded with alkali free glass fiber cloth on both sides.



Temperature resistance: Class H (180℃)

Width: 5mm-1000mm

Characteristic: It has high dielectric and mechanical property

Notes: General speaking the Width of the products is 1000mm.
We also can make difference Width for clients accoding to customer specis.

Application: The foil winding coils of Class H dry type transformers are used for interturn insulatio, slot insulation, phase insulation, and pad insulation in motors, induction furnaces, generators, and electrical appliances.

Technical Data:

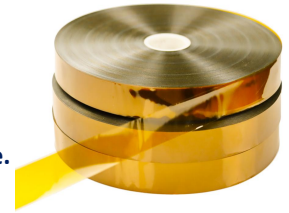
Product Name: GHG				Temp.: Class H (180℃)			
No.	Items		Unit	Value			
1	Thickness		mm	0.15	0.20	0.25	0.40
2	Thickness Tolerance		mm	±0.02	±0.02	±0.025	±0.04
3	Density		g/m2	160	220	260	330
4	Density Tolerance		g/m2	±20	±25	±30	±35
5	Tensile Strength	Vertical non bending	N/10mm	≥120	≥140	≥180	≥200
6		Horizontal non bending	N/10mm	≥100	≥120	≥150	≥140
7	Elongation	Vertical non bending	%	≥5	≥5	≥5	≥4
8		Horizontal non bending	%	≥3	≥3	≥3	≥2
9	Breakdown Voltage(in air)	No bending	kV	≥5	≥5	≥5	≥5
10		Bending	kV	≥4	≥4	≥4	≥4
11	Normal adhesion		-	No layering			
12	Hot adhesion (200±2℃) for 10 minutes		-	No layering, no foaming, no glue flow			
13	Temperature index (T-1)		-	≥180			



KMK (KMK PET film two sides coated polyimide film)

Product Name: KMK

Description: KMK is a flexible Class H composite insulation material consisting of two layers of polyimide thin film and one layer and one layer of polyester film coated with Class H adhesive and double-sided bonded polyimide film composite.



Temperature resistance: Class H (180℃)

Notes: The product can be supplied in width 5mm to 1000mm, cut in rolls, sheets, or die-cut according to customer's request.

Thickness: 0.13mm, 0.15mm, 0.17mm, 0.20mm, 0.25mm, 0.30mm

Structure: Three layers, Polyimide film, Polyester film, Polyimide film

Characteristic: High mechanical strength and excellent dielectric properties, Suitable for high-strength insulation systems. Excellent heat resistance, can be used as Class F (155℃) insulation.

Product Name: GHG				Temp.: Class H (180℃)					
No.	Items		Unit	Value					
1	Nominal thickness		mm	0.13	0.15	0.17	0.20	0.25	0.30
2	Thickness Tolerance		mm	±0.015		±0.02			±0.03
3	Density		g/m2	178	197	233	268	337	407
4	Density Tolerance		g/m2	±15	±20	±25	±25	±30	±35
5	Tensile Strength	Longitudinal	Mpa	≥150					
6		Transverse		≥150					
7	Elongation	Longitudinal	%	≥60					
8		Transverse		≥60					
9	Breakdown Voltage		kV	≥11	≥13	≥14	≥15	≥18	≥28
10	High temperature dimensional		℃	≥200					
11	Normal adhesion		/	No layering					
12	Hot bonding properties (180±2℃/10 minutes)		/	No layering, no foaming, no glue flow					
13	Temperature index (T-1)		/	≥180					

Application: Suitable for insulation between turns, slots, and pads of class F and H motor electrical appliances, and can be used in humid environments and transformer oil.



ELECTRICAL COTTON TAPE

Product Name: Electrical cotton tape



Description: This electrical insulation cotton tape is made from pure cotton fiber.

Notes: General speaking the length of product is 25m
We can also make different length as per the request. The common thickness is 0.3mm.

Width: 15mm 20mm 25mm 30mm 40mm

Technical Data:

Product Name: ELECTRICAL COTTON TAPE		
Properties	Units	Value
Nominal thickness	mm	0.25-0.35mm±0.05
Width	mm	10~50 ± 2mm
Density	mm	25m~100m ± 2cm / roll
Appearance	Smooth and White	
Broken-ends	Allow each roll has two segments, each length is not less than 6m	
Broken-warp	Not allowed single broken-warp more than 100mm and double broken-warp more than 30mm	
Besmirch	Not allowed oil and rust	
Hole breaking	Three ahoule be not allowed both warp and weft broken or more than 3 wefts broken	
Tensile Strength	N/10mm	≥196
Elongation at break	%	7
Texture	Plain or Twill	

Characteristic: It has excellent mechanical property, high tensile strength and heat resistance.

Application: Cotton tape is used as insulating binding materials for electric motors, coil of transformers.



FIBER GLASS TAPE

Product Name: Fiber glass tape



Description: Fiberglass insulation tape is made of non-alkali glass-fiber yarn.

Width: 15mm 20mm 25mm 30mm 50mm

Patten: Plain and twill

Notes: General speaking the length of product is 25m
We can also make different length as per the request. The common thickness is 0.1mm, 0.13mm, 0.15mm, 0.2mm
Color line in the middle is available on request.

Characteristic: It is woven by twisted strands of fiberglass at right angles to one another, having the highest glass-resin ratio and mechanical strength of all fiber glass insulation materials.

Application: Banding and reinforcing insulation materials for motors, transformers and cables.

Product Name: Non-alkali Fiberglass Insulation Tape			Temp.: 500℃						
Properties		Units	Value						
Nominal thickness		mm	0.1						
Width		mm	10	15	20	25	30	50	
Broken-warp	Single broken-warp	mm	≤100						
	Double broken-warp	mm	≤30						
Besmirch	The sum of length and width of oil stain	mm	≤14						
Put together the	Allowed every coil	time	1						
Alkali oxide and tolerance		%	12 ± 1						
Tensile Strength	Lengthwise	N/25mm	≥400						
	Crosswise		≥300						
Density	Lengthwise	Ends/in	44 ± 2						
	Crosswise		33 ± 2						
GSM		g/m2	210 ± 5						
Permeability		M/s	40~170						
Moisture Regain		%	0.3						
L.O.I		%	0.1 ± 0.04						
Texture		-	Plain or Twill						

POLYESTER HEAT SHRINKING TAPE

Product Name: Polyester heat shrinking tape



Description: Polyester shrinking tape is made from a special compound fiber of thermal contraction.

Width: 15mm 20mm 25mm 30mm 40mm

Patten: Plain and twill

Notes: General speaking the length of product is 25m, We can also make different length as per the request. The common thickness is 0.2mm. Color line in the middle is available on request.

Characteristic: After binding and dried at 105℃ for 10 minutes, it will be shrunk to 70%, which is good at a solid binding and at a compatibility with transformers. In this way, it will be utilized in the transformer oil at 105℃ for a long time.

Application: It can be used as the insulating binding materials in electric motor, transformer, auxiliary appliance, etc.

Technical Data:

Product Name: Polyester Heat Shrinking Tape							
Properties		Units	Value				
Nominal Thickness		mm	0.2				
Width		mm	10	15	20	25	30
Tensile Strength	Lengthwise	N/25mm	≥400				
	Crosswise		≥300				
Density	Lengthwise	Ends/in	44 ± 2				
	Crosswise		33 ± 2				
GSM		g/m2	210 ± 5				
Broken-ends		Allow each tray has two segments, each length is not less than 5m					
Broken-warp		Not allowed single broken-warp more than 200mm and double broken-warp more than 30mm					
Besmirch		Not allowed oil and rust					
Hole breaking		Three should be not allowed both warp and weft broken or more than 3 wefts broken					
Shrinkage		%	≥20-50				
Tensile Strength		N/10mm	≥200				
Volume Resistivity		Ω.m	≥3X10^7				
Dielectric Strength		Three should be no breakdown and flashover phenomenon with 50 Hz 1 kV 1 min					
Volume Resistivity		Plain or Twill					

CREPE PAPER TUBE

Product Name: Crepe paper tube



Description: Electrical insulation crepe paper is made of 100% superior sulfate insulating wood pulp.

Temp. Resis.: Class A

Notes: The product can be supplied in meter, 1 meter/pc or 2 meter/pc

Diameter: 4mm-50mm

Characteristic: It has excellent properties, Mainly used for oil-immersed transformer in high and low tap and screw external insulation crepe paper soft casing, has reliable flexibility, arbitrary direction bending without fracture of merit.

Application: It is suitable for oil immersed transformer.

Product Name: Crepe paper tube				
Properties	Units	Value		
		Min	Min	Tolerance
Inner diameter	mm	4	50	±0.1mm
Outer diameter	mm	8	54	±0.5mm
Thickness	mm	2		/
Length	mm	1000	2000	/
Density	g/cm^3	≥0.74		
Dielectric Strength	VPM	≥300		
Conductivity	Ms/m	≤10		
Ductility	%	≥40		
Ash Content	%	≤0.7		
Tensile Resistance	N/25m	≥105		
Voltage Resistance	N/25m	≥2		
Notes: Other diameter and length can be customed according to the requirement				



Size(mm)	Mtrs/ctn
10*12*1000	400
10*14*1000	300
10*15*1000	250
10*16*1000	250
10*16*1800	250
10*16*2000	250
10*20*1000	150
11*14*1000	300
11*15*1000	250
11*16*1000	250
12*14*1000	300
12*16*1000	250
14*16*1000	250
14*18*1000	200
16*20*1000	150
4*6*1000	800
4*7*1000	800
4*8*1000	800
4*9*1000	600

Size(mm)	Mtrs/ctn
4*10*1000	600
4*12*1000	400
5*7*1000	800
5*8*1000	800
5*9*1000	600
5*10*1000	600
5*12*1000	400
6*10*900	600
6*10*1000	600
6*10*1300	600
6*12*800	400
6*12*1000	400
6*12*2000	400
9*11*1000	500
9*12*1000	400
9*13*1000	400
9*15*1000	250
9*15*2000	250

FIBERGLASS SLEEVE (2715)

Product Name: 2715 Fiberglass sleeving



Description: 2715 Fiberglass sleeving coated with polyvinyl chloride resin is the Class E fiber bralded sleeving. It is produced with the process of thermo plasticization.

Temperature resistance: Class B

Notes: The product can be supplied in meter or in roll.

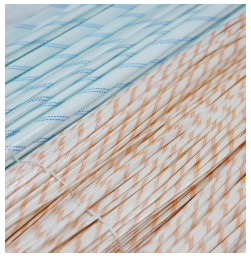
Diameter: 1mm-60mm

Structure: Fiberglass sleeve coated with polyvinyl chloride resin.

Characteristic: It is Class B insulating material. This product has good qualities of dielectric, chemical resistance, excellent softness and elasticity.

Application: It is suitable for wiring insulation and machine protection in machine portraction in electrical machines, electric appliances, instruments, radios, electric devices.

Product Name: 2715 Polyvinyl Chloride Resin Fiberglass Sleeving Temp.: Class B (130℃)				
Inside Diameter (mm)		Wall Thickness		
Normal Size	Tolerance	Minimum		
0.5, 0.8	±0.10	0.2		
1, 1.5, 2, 2.5, 3	±0.15	0.2		
3.5, 4, 5, 6, 7, 8	±0.10	0.2		
9, 10, 11, 12, 14, 16, 18, 20	±0.50	0.4		
Performance	Value			
Heat Resistance	Pass the test. (suitable to the said products of nominal inside diameter below 5mm)			
Flexibility after heat treatment	No flaking on PVC resin coating, test temperature -130℃, 96 hrs			
Flexibility in low temperature Combustibility ≤, Method A	No flaking on PVC resin coating, test temperature -25℃ 60 seconds, in addition, specimen do not burn, and no flaming and burning particles to ignite the cotton.			
Breakdown voltage, upright core rod, -25mm electric pole (Type II)	kV		Mid-value (kV)	Min-value (kV)
		Room Temp.	4	2.5
		High Temp. 130℃, 1 hrs	1.6	1.2
		Moisture-Heat treatment 40℃, relative humidity 91-95%, 96 hrs	1.2	0.8
Insulation Resistance	MΩ	≥$1.0*10^3$		





SPECIFICATION FOR PATTERNED TUBES



Product Name: HIGH-TEMP. PATTERNED TUBE

Specification(ID): 1.0MM-30.0MM

Machinery equipment: High speed weaving machine, continuous casting machine, dewaxing furnace, drying machine, winding machine, cutting machine, packaging machine.

Production: The fixed pattern tube is woven into circular tubes using weaving machines with different numbers of ingots according to the diameter of the tubes. After high-temp. dewaxing to remove the wax component of glass fiber yarn (around 580 degree), the tube is passed special resin and then dried in a drying furnace.

Performance:

NO	Technical Index	Unit	Index Value
1	±0.10	%	≤0.50
2	±0.15	Mpa	≥90
3	±0.10	-	The profile of the section cut by scissors, Jiankou flush, no fiber spread phenomenon

Product color: White, Black

Specification:

Type (mm)	Wall thickness (mm)	Tolerance Inner Diameter	Heat Resistance	Average Voltage	Inflammability
1.0-3.0	0.18±0.05	+0.1-0.4	10(℃)+600(℃)	500V-700V	VW-1
4.0-6.0	0.30±0.05	+0.2-0.5	-10(℃)+600(℃)	500V-700V	VW-1
7.0-12.0	0.35±0.05	+0.3-0.7	-10(℃)+600(℃)	500V-700V	VW-1
14.0-30.0	0.43±0.05	+0.5-0.8	-10(℃)+600(℃)	500V-700V	VW-1

Diameter (mm)	Small Bag Package (meter/roll)	Big Bag Package (mm)
1.0	200	12000
1.5	200	10000
2.0	200	10000
2.5	200	7000
3.0	100	7000
4.0	100	5000
5.0	100	3000
6.0	100	2000
7.0	100	2000
8.0	50	1800
10.0	50	1500
12.0	50	1200
14.0	50	1000
16.0	50	1000
18.0	50	800
20.0	50	800
25.0	50	500
30.0	50	500

ARCYLIC FIBERGLASS SLEEVE (2740)

Product Name: Acrylic fiberglass sleeve (2740)



Description: 2740 Fiberglass sleeving coated with acrylic resin is manufactured with non-alkali fiberglass braided sleeving and coated with a layer of acrylic resin, and then thermoset to form insulating sleeving.

Temperature resistance: Class F

Structure: Fiberglass sleeve coated with acrylic resin

Notes: The product can be supplied in meter or in roll.

Diameter: 1mm-60mm

Product Name: 2740 Arcylic Resin Fiberglass Sleeving			
Inside Diameter (mm)		Wall Thickness	
Normal Size	Tolerance	Minimum	Minimum
0.5, 0.8	±0.15	0.2	0.5
1, 1.5, 2, 2.5, 3	±0.20	0.2	0.6
3.5, 4, 5, 6, 7, 8		0.2	0.7
9, 10, 11, 12, 14, 16, 18, 20	±0.50	±0.5	0.9
Performance	Unit	Value	
Breakdown voltage	kV	1.0	
		2.5	
		4.0	
Bending at low temperature	No cracking or detachment of the coating shall be visible after 60 min at -15℃		
Insulation Resistance	No cracking or detachment of the coating shall be visible after 48±1hr at 155℃±3℃		



Characteristic: It possesses reliable heat resistance, good qualities of dielectric, fair softness and elasticity, benzene resistance and oil resistance.

Application: It can be used for wiring insulation and all mechanic protection for electrical instruments, wireless sets and domestic electrical appliances.

SILICONE FIBERGLASS SLEEVE (2753)

Product Name: Silicone fiberglass sleeve (2753)



Description: 2753 Self-extinguishable Fiberglass Sleeving is wooven with non-alkali fiberglass yam then coated with silicon resin rubber under high temp.

Temperature resistance: Class H

Notes: The product can be supplied in meter or in roll.

Diameter: 1mm-40mm

Structure: Fiberglass sleeve coated with silicone resin

Characteristic: It contains certain dielectric, well self-extinguishable and superior soft properties.

Application: It is widely for the insulating protection of Class H motor, electrical and electronic equipments.

Product Name: 2753 Self-extinguishable Silicone Resin Fiberglass Sleeving			
Inside Diameter (mm)		Wall Thickness	
Normal Size	Tolerance	Minimum	Minimum
0.5--3.0	±0.20	0.2	0.7
4.0--8.0	±0.25	0.3	0.7
10--12	±0.50	0.4	1.2
4.0--8.0	±1.0	0.4	1.4
Property	Unit	Value	
Length	mm	1000+20/-10	
Time of self-extinguishment	s	≤10	
Appearance	White, both of ends are trimmed, the coating is even, contiuous, adheared to the fiberglass yam fast.		
Heat Resistance	After the sleeving has been treated under temp. of 250±5℃ in a cabinet for 24 hrs, the coating of sleeving should not appear detached and discolored.		
Shelf time	6 months		
Secular heat resistance	≥180℃		
Insulation Resistance	Room Temp.	MΩ	10^5
	After heat treatment		10^4
Strorage Condition	It should be stored in the dry, clean, and good ventilation, temp. less than 40℃, no fire warmer, no exposure in sun		





PET COMPOSITE COWL (Polyester Film Composite Board)



Product Name: PET Composite Cowl

Description: Polyester film composite board is composed of layers polyester film which is coated with high temp. adhesive.

Temperature resistance: Class F 155 ℃

Width: 5mm-1000mm

Notes: General speaking the Width of the products is 1000mm.
We also can make difference Width for clients accoding to customer specis.
The common thickness is 0.5mm, 1.1mm.

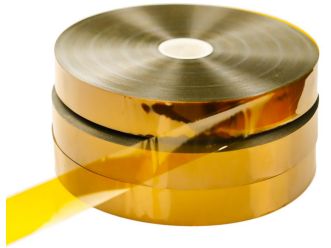
Product Name: Polyester Film Composite Board		Temp.: Class F (155℃)		
Property		Units	Values	
Normal Thickness		mm	SBFWB-0.5	SBFWB-1.1
Tolerance		mm	±0.045	±0.09
Quantitative and tolerance		g/m²	622±68	1120±112
PET normal thickness		um	250	250
PET Layers		V	2	4
Tensile Strength	MD	N/10mm	≥350	≥600
	TD		≥350	≥600
Elongation	MD	%	≥30	≥50
	TD	%	≥30	≥50
Breakdown Voltage	No Bending	kV	≥35	≥50
	After Bending		≥30	≥40
Temperature Resistance		℃	≥155	



Characteristic: It has good mechanical properties, electrical properties, shrinkage rate, water absorption and reliable heat resistance.

Application: It is mainly used for the insulation between the high and low voltage coils of dry type transformer, which can be used as a substitute for the epoxy resin board and the phenolic resin board for the insulation tube and end insulation.

6051 POLYIMIDE FILM (KAPTON FILM OR FILM)



Product Name: 6051 Polyimide film

Description: 6051 polyimide film, commonly known as gold film, PI film and gold finger, is yellow and transparent, with a relative density of 1.39~1.45.

Temperature resistance: Class H

Width: 5mm-1000mm

Notes: General speaking the Width of the products is 1000mm.
We also can make difference Width for clients accoding to customer specis.
The common thickness is 0.075mm, 0.1mm, 0.125mm, 0.15mm, 0.188mm, 0.2mm, 0.25mm, 0.3mm, 0.35mm.

Product Name: 6051 Polyimide Film												Temp.: Class C (300℃)
Property		Unit										
Normal Thickness		um	25	36	50	75	100	125	150	175	200	225	250
Tolerance		um	±2.5	±3.6	±5.0	±7.5	±10	±12.5					
Width		mm	1000 and 1380, other size also can be sheared										
Density		kg/m³	1400±20										
Tensile Strength	MD	Mpa	≥135					≥110					
	TD		≥115					≥95					
Break Elongation (MD and TD)		%	≥35										
Shrinkage (MD and TD)	150℃	%	≤1.0										
	400℃		≤3.0										
Dielectric Strength	Average Value	Mv/m	≥150				≥130				≥110		
	Single Value		≥100				≥80				≥70		
Volume Resistivity (Temp. 200℃)		Ω.m	≥1.0X10¹⁰										
Relative Dielectric Constant (48~62Hz)		--	3.5±0.4										
Dielectric Dissipation Factor (48~62Hz)		--	≤4.0X10⁻³										
Surface Resistivity (Temp. 200℃)		Ω	≥1.0X10¹³										
Long-term Heat Resistance	Temperature Index	--	≥300℃										

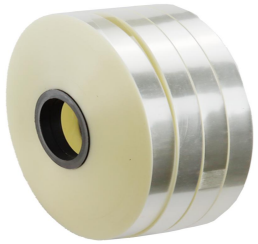


Characteristic: It has outstanding high temp. resistance, radiation resistance, chemical corrosion resistance and electrical insulation properties.

Application: It is mainly suitable for the insulation of Class H motor transformer, circuit board and other electrical equipments.

POLYESTER FILM (6020)

Product Name: Polyester film (6020)



Description: 6020 Polyester film is biaxially-oriented polyethelene terphthalate(PET) film and it is a transparent film.

Temperature resistance: Class B 130 ℃

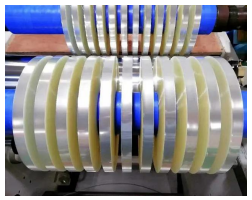
Width: 5mm-1000mm

Characteristic: It has high dielectric and mechnical property

Notes: General speaking the Width of the products is 1000m, we also can make different width for clients according to customer specis. The common thickness is 0.025mm 0.036mm 0.05mm 0.075mm 0.1mm 0.125mm 0.15mm 0.188mm 0.2mm 0.25mm.

Application: It is suitable for electrical insulation, such as slot insulation, interturn and liner insulation, wrapping insulation for coils and cables, as well as producing insulation laminate material.

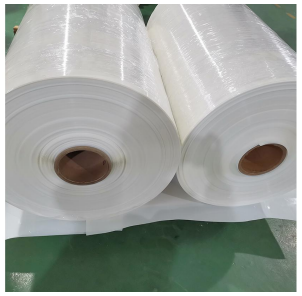
Product Name: 6020 Polyester Film PET			Temp.: Class B (130℃)									
Property		Unit	Value									
Normal Thickness		um	25	36	50	75	100	125	150	170	190	250
Tolerance		um	±2.5	±3.6	±5.0	±7.5	±10	±12.5				
Width		mm										
Density		kg/m³	1390±10									
Tensile Strength (MD and TD)	25~100um	Mpa	≥110									
	100~190um		≥150									
	>190um		≥110									
Break Elongation (MD and TD)	25~50um	%	≥60									
	50~250um		≥80									
Shrinkage (MD and TD)	25~190um	%	≤3.0									
	>190um		≤2.0									
Dielectric Strength		V/um	--									
Volume Resistivity		Ω.m	≥1.0X10^{14}									
Relative Dielectric Constant (50Hz)		--	2.9~3.4									
Dielectric Dissipation Factor (50Hz)		--	≤5.0X10^{-3}									
Melting Point		℃	≥256									
Surface Resistivity		Ω	≥1.0X10^{13}									
Electrolytic Corrosion	Ocular Estimate	Grade	A1									
	Tensile Strength	%	≤2.0									
Dimensional Stability Under High Temp.	When pulling	℃	≥200									
	When pressuring											
Long-term Heat Resistance	Temperature Index		≥115									





6021 MILK WHITE POLYESTER FILM (PET FILM)

Product Name: 6021 milk white polyester film



Description: 6021 Polyester film is biaxially-oriented polyethelene terphthalate(PET) film and it is a milky white film.

Temperature resistance: Class F 155℃

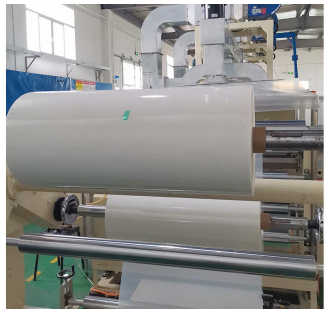
Width: 5mm-1500mm

Notes: General speaking the Width of the products is 1000mm. We also can make difference Width for clients accoding to customer specis. The common thickness is 0.075mm, 0.1mm, 0.125mm, 0.15mm, 0.188mm, 0.2mm, 0.25mm, 0.3mm, 0.35mm.

Characteristic: It has high dielectric and mechanical property

Application: It is suitable for electrical insulation, such as slot insulation, interturn and liner insulation, wrapping insulation for coils and cables, as well as producing insulation laminate material.

Product Name: 6021 Polyester Film			Temp.: Class F (155℃)							
Property		Unit	Value							
Normal Thickness		um	25	36	50	75	100	125	150	170
Tolerance		um	±2.5	±3.6	±5.0	±7.5	±10	±12.5		
Width		mm	1000 and 1380, other size also can be sheared							
Density		kg/m³	1400±10							
Tensile Strength (MD and TD)	25~100um	Mpa	≥150							
	100~190um		≥110							
	>190um		≥110							
Break Elongation (MD and TD)	25~50um	%	≥60							
	50~250um		≥80							
Shrinkage (MD and TD)	25~190um	%	≤3.0							
	>190um		≤2.0							
Dielectric Strength		V/um	--							
Volume Resistivity		Ω.m	≥1.0X10^{14}							
Relative Dielectric Constant (50Hz)		--	2.9~3.4							
Dielectric Dissipation Factor (50Hz)		--	≤5.0X10^{-3}							
Melting Point		--	≥256							
Surface Resistivity		Ω	≥1.0X10^{13}							
Electrolytic Corrosion	Ocular Estimate	Grade	A1							
	Tensile Strength	%	≤2.0							
Dimensional Stability Under High Temp.	When pulling	℃	≥200							
	When pressuring									
Long-term Heat Resistance	Temperature Index		≥115							





EPOXY PRE IMPREGNATED GLASS FIBER MESH

Product Name: Epoxy Fiberglass Mesh



Description: Epoxy fiberglass mesh fabric is braided into recticulation structure by fiberglass yarn and then coated with epoxy resin and baked.

Temperature resistance: Class F 155 ℃

Width: 5mm-1000mm

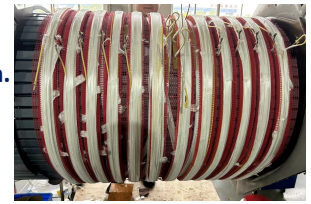
Notes: General speaking the Width of the products is 1000m, we also can make different width. The common thickness is 0.5mm 0.6mm 0.8mm 1.0mm 1.2mm 1.6mm 2.0mm 2.2mm 2.4mm.

Technical Data:

Product Name: Epoxy Fiberglass Mesh		Temp.: Class F (155℃)							
Property	Units	Value							
Normal Thickness	mm	0.6	0.6	0.8	1.2	1.5	2.0	2.2	2.4
Normal Length	mm	100			50		40		
Width	m	0.2~2.0					0.2~1.2		
Resin Content	%	12~18							
Tensile Strength	N/mm	800	1000	1500	2400	3400	4200	4800	5300
Mesh Size(Warp*Weft)	mm	5*4				6*5		10*7	
Weight	g/m²	180	230	360	620	680	760	800	880
Breakdown Voltage	kV	≥18							
Insulation Resistance	Ω	≥1*10~13							
Concussion Strength	KJ/m	≥20							
Bending Strength	Mpa	≥80							
Strength of Interpose Electric	kV/mm	≥9							
Temperature Resistance	Class F, Class H								

Characteristic: It has good performance of mechanic can protect against crack of loop strong capability of adhesion.

Application: It is mainly used as reinforce insulating in dry cast transformer and in reactor, etc.



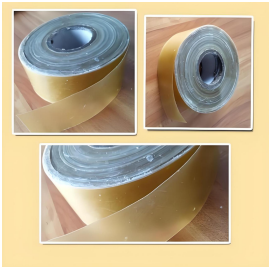
Non-weft Tape

The non-weft tape is made of alkali-free glass yarn impregnated with a special high-temp. resistance thermosetting unsaturated polyester resin, which has good flexibility and viscosity. Ideal lashing material for motors, power transformers, instrument transformers and lightning arresters. Common width: 10mm, 20mm, 25mm, 50mm



2432 Alkyd Vanished Fiberglass Impregnated

2432 Alkyd Vanished Fiberglass cloth 2432 impregnated cloth is synthetic fabric silk impregnated with oily vanish for Class B (130℃). It has more excellent softness, better flexibility, more efficient electrical peformance and mechanical properties than congeneric products of other companies. It is applicable to motor, electrical requirements of thin high dielectric properties of the insulation wrap or insulation gasket.



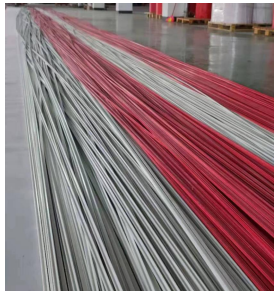
Silicone cushion、Resin cushion

The resin cushion is a mass-shaped prepreg made of chopped glass fiber, unsaturated resin' filler and various additives fully mixed, with excellent mechanical properties and corrosion resistance. The silicone cushion has the characteristics of ozone resistance, aging resistance, and stable chemical properties.



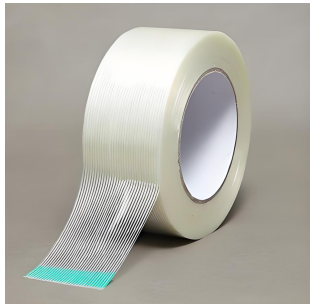
I-BATTEN、I-DOGBONE

I-batten is a kind of profile produced by alkali-free glass fiber impregnated thermosetting resin through a pultrusion process. It has the advantages of high mechanical strength, excellent electrical performance, flame retardant, corrosion resistance, and arc resistance. Mainly used for ventilation and cooling between layers of dry-type transformers and used on reactors and wave traps.



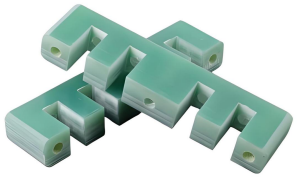
Fiberglass Tape

Product Description: Glass fiber adhesive tape is coated on glass fiber and film composite materials with Class F heat-resistance adhesive, which has good mechnical properties, electrical properties and reliable adhesion. It is widely used for slot insulation and binding of Class F insulated motors and transformers.



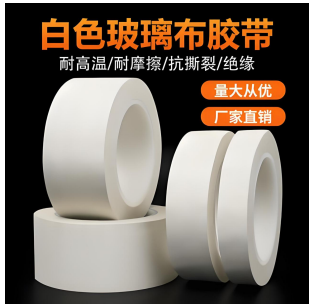
FR-4 Board Sheet

FR-4 Board is a composite material composed of glass fiber cloth and epoxy resin, which has extremely high stability and working life, and can work stably for a long time in high-temp. and high-pressure environments. FR-4 is widely used in aerospace, communication, electronics, and electrical and other fields.



Insulating Cylinder

The insulating cylinder is made of an electrician’ s alkali-free glass fiber cloth impregnated with epoxy resin and roller into a molding die after baking. It has high mechanical properties, dielectric properties and good mechanical processing properties.



3025 Phenolic Cloth Sheet

3025 Phenolic Cotton Fabric Laminated Sheet is made of coarse cotton cloth impregnated phenolic resin by processing under heat and pressure. This product is widely used for LV applications, for machines & appliances having HV but lower electrical stress(slot wedges, spacers) as material for bearing, gears, rollers and other constructional components.



Silicone Cushion、Resin Cushion

The resin cushion is a mass-shaped prepreg made of chopped glass fiber, unsaturated resin’ filler and various additives fully mixed, with excellent mechanical properties and corrosion resistance.
The silicone cushion has the characteristics of ozone resistance, aging resistance, and stable chemical properties.



Laminated Woods

Laminated wood is widely used as insulation and support material intransformers and current transformer. It has the advantages ofmoderate specific gravity, high mechanical strength, easy vacuumdrying, easy mechanical processing, etc. Its dielectric constant isclose to that of transformer oil, and the insulation coordination isreasonable. It can be used for a long time in transformer oil of 105 degrees.

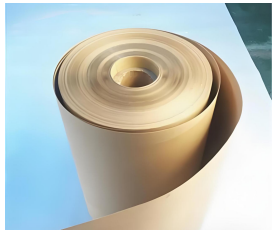


3240 Epoxy Board



3240 Yellow Epoxy Fiberglass Cloth Laminated Sheet 3240 is made of alkali-free Class E cloth impregnated with epoxy resins by processing under heat and pressure. With the high mechanical strength and electrical properties, thermal-resistance and moisture resistance, Class F.

Electrical Craft Paper





1. Cable paper is made of 100% superior sulfate insulation wood pulp, without any rubber and fliers. This paper has even thickness and tissue. Pinhole, undistributed coma and part-defects are within the safety scope of transformer and cable making practice.
2. Electrical cable paper is low voltage insulating paper, suitable for making electromagnetic wire used for below 35kV transformer, Electrical cable and other electrical insulating equipments.
3.This paper is electrical and chemical stability and high physical strength.

Electrical Pressboard Paper



1. Electrical insulating transformer insulating pressboard is a special product based on pure cellulose taken from long-fibred coniferouswood. It is manufactured from 100% high quality sulfated insulatingwood pulp.
2. This is structured into a fibrous tissue without additional adhesiveand then pressed. It has high chemical purity, excellent elongation good Mechanical and dielectric Strength.
3. Due to its high chemical purity, pressboard is excellently suited as aninsulating material in electric machines, capacitors and oil-filled transformers.

Crepe Paper



Crepe papers are produced from base papers weighing 25-180 g/m3 (15-11 lbs/ream) and have an elongation of between 15 to 300%. They are available in master rolls of up 1200mm and in slit width in a big variety of customer specified inside and outside diameters. Some of the grades are also traverse wound. Crepe papers are ideally suited to insulate irregular shapes and surfaces where a proper insulation can not be reached with flat papers. Specialities were developed for application as magnet wire insulation, as layer insulation, in current transformer, in RIP bushing or as shielding materials

SMC Insulation Sheet



SMC insulation board is a plate-shaped product of various colors that is molded from unsaturated polyester glass fiber reinforced sheet molding compound. It has higher mechanical strength, flame retardancy, and leakage resistance, second only to UPM203, arc resistance, high dielectric strength and voltage resistance, low water absorption, stable dimensions, and low warpage, SMC insulation board products are mainly used in various partitions such as high, medium and low voltage switch cabinets.

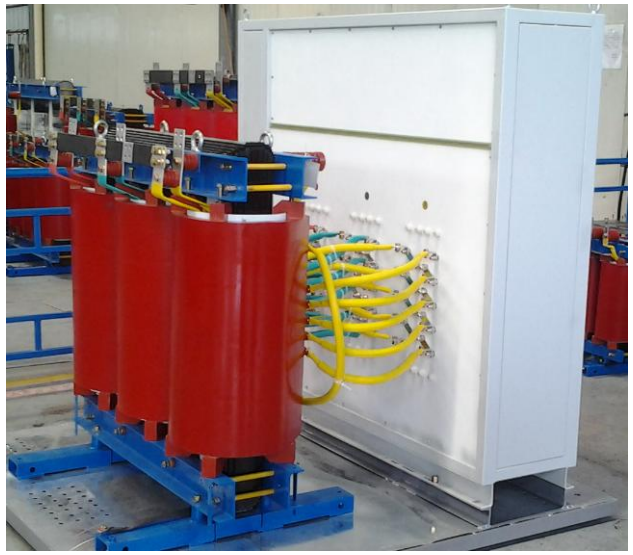
9. On-Load Tap changer for Dry-type Transformer

Product



10kV three-coherent vacuum on-load tap changer

Install



Conventional installation, placed on the high-voltage side of the transformer, as shown in the above figure. The distance between the switch housing and the transformer is 400mm. The transformer taps and tap changer taps are connected one by one in correspondence

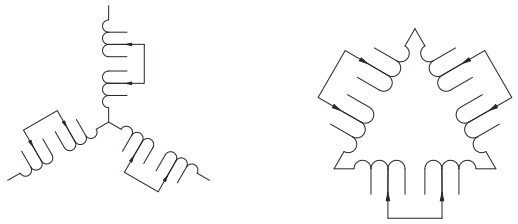
Tech Data

Product model: SVK150/11.5 (05-09) Z

Pressure regulating means: Jumper type Rated current: 150A

Rated voltage: 10 kv

Tap gear: 5-9 taps



(1) Y中性点调压　　(2) D中部调压

Note: 350A-500A high-current switches can be customized.

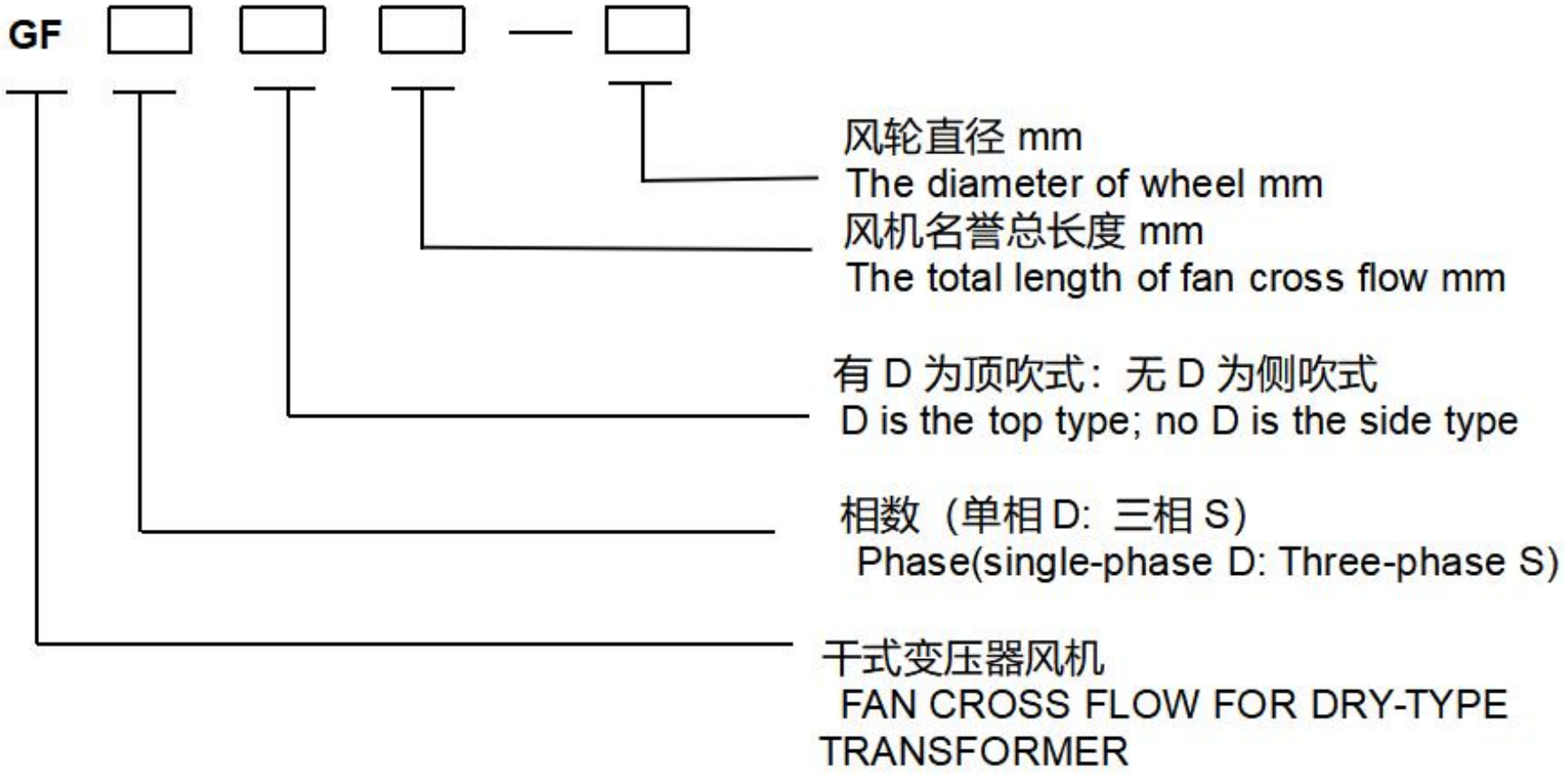
10. Cooling Fan of GF series Dry Type Transformer





10. Cooling Fan of GF series Dry Type Transformer

FAN CROSS FLOW FOR DRY TYPE TRANSFORMER



10. Cooling Fan of GF series Dry Type Transformer

90 Type Main Technical Parameters of Top (side) blowing type fan

Model	Motor parameter						Blowing Rate M3/h	Noise dB(A)	Transformer Capacity kVA	Number of fans
	Phase P	Voltage V	Current A	Speed rpm	Frequency Hz	Power W				
GFD(S)D365-90	Single/Three	220/380	0.16/0.09	1400	50	35	450	52		
GFD(S)D385-90	Single/Three	220/380	0.16/0.09	1400	50	35	500	52		
GFD(S)D440-90	Single/Three	220/380	0.16/0.09	1400	50	35	600	52		
GFD(S)D470-90	Single/Three	220/380	0.16/0.09	1400	50	35	650	52		
GFD(S)D560-90	Single/Three	220/380	0.18/0.11	1400	50	40	700	52	100~315	4
GFD(S)D660-90	Single/Three	220/380	0.23/0.13	1400	50	50	800	54	100~630	4
GFD(S)D730-90	Single/Three	220/380	0.23/0.13	1400	50	50	850	54	400~800	4
GFD(S)D760-90	Single/Three	220/380	0.27/0.16	1400	50	60	900	54	630~1000	6
GFD(S)D860-90	Single/Three	220/380	0.27/0.16	1400	50	60	1000	54	50~100	2

10. Cooling Fan of GF series Dry Type Transformer

90/120 Type Main Technical Parameters of Top (side) blowing type fan

Model	Motor parameter						Blowing Rate M3/h	Noise dB(A)	Transformer Capacity kVA	Number of fans
	Phase P	Voltage V	Current A	Speed rpm	Frequency Hz	Power W				
GFD(S)D920-90	Single/Three	220/380	0.36/0.21	1400	50	80	1100	54	50~120	2
GFD(S)D1050-90	Single/Three	220/380	0.36/0.21	1400	50	80	1150	54	400~500	2
GFD(S)D1200-90	Single/Three	220/380	0.36/0.21	1400	50	80	1300	54	630~800	2
GFD(S)D365-120	Single/Three	220/380	0.16/0.09	1400	50	35	600	52	315~500	6
GFD(S)D385-120	Single/Three	220/380	0.16/0.09	1400	50	35	650	52	400~800	6
GFD(S)D440-120	Single/Three	220/380	0.18/0.11	1400	50	40	750	54	400~1000	6
GFD(S)D470-120	Single/Three	220/380	0.18/0.11	1400	50	40	800	54	800~1200	6
GFD(S)D490-120	Single/Three	220/380	0.18/0.11	1400	50	40	850	54	1000~1600	6
GFD(S)D520-120	Single/Three	220/380	0.23/0.13	1400	50	50	900	56	1250~2000	6

10. Cooling Fan of GF series Dry Type Transformer

120/150 Type Main Technical Parameters of Top (side) blowing type fan

Model	Motor parameter						Blowing Rate M3/h	Noise dB(A)	Transformer Capacity kVA	Number of fans
	Phase P	Voltage V	Current A	Speed rpm	Frequency Hz	Power W				
GFD(S)D590-120	Single/Three	220/380	0.27/0.16	1400	50	60	950	56	1500~2500	6
GFD(S)D610-120	Single/Three	220/380	0.27/0.16	1400	50	60	1000	56	1600~3000	4
GFD(S)D1000-120	Single/Three	220/380	0.36/0.21	1400	50	80	1300	56	1250~2000	2
GFD(S)D1100-120	Single/Three	220/380	0.36/0.21	1400	50	80	1400	56	1250~2000	2
GFD(S)D1200-120	Single/Three	220/380	0.36/0.21	1400	50	80	1500	56	600~1000	2
GFD(S)D1300-120/2	Single/Three	220/380	0.27/0.16	1400	50	60X2	2100	56	600~1000	2
GFD(S)D365-150	Single/Three	220/380	0.32/0.18	1400	50	70	1050	58	630~1250	6
GFD(S)D470-150	Single/Three	220/380	0.36/0.21	1400	50	80	1250	58	800~1600	6
GFD(S)D490-150	Single/Three	220/380	0.36/0.21	1400	50	80	1300	58	1600~2000	6

10. Cooling Fan of GF series Dry Type Transformer

150/200 Type Main Technical Parameters of Top (side) blowing type fan

Model	Motor parameter						Blowing Rate M3/h	Noise dB(A)	Transformer Capacity kVA	Number of fans
	Phase P	Voltage V	Current A	Speed rpm	Frequency Hz	Power W				
GFD(S)D490-150N	Single/Three	220/380	0.4/0.5	1400	50	120	1900	58	2500~3150	4/6
GFD(S)D590-150	Single/Three	220/380	0.41/0.24	1400	50	90	1500	58	2000~2500	6
GFD(S)D590-150N	Single/Three	220/380	0.4/0.5	1400	50	120	2500	60	3150~5000	6
GFD(S)D690-150	Single/Three	220/380	0.41/0.24	1400	50	90	1700	60	3150~5000	4/6
GFD(S)D760-150	Single/Three	220/380	0.41/0.24	1400	50	90	1800	60	3150~5000	4/6
GFD(S)D425-200	Single/Three	220/380	1.6/1.2	1400	50	330	1700	60	2000~2500	6
GFD(S)D470-200	Single/Three	220/380	1.7/1.3	1400	50	350	2000	60	2000~2500	6
GFD(S)D490-200	Single/Three	220/380	1.7/1.3	1400	50	350	2200	60	2500~16000	6/12
GFD(S)D520-200	Single/Three	220/380	1.7/1.3	1400	50	350	2400	60	3150~16000	6/12

10. Cooling Fan of GF series Dry Type Transformer

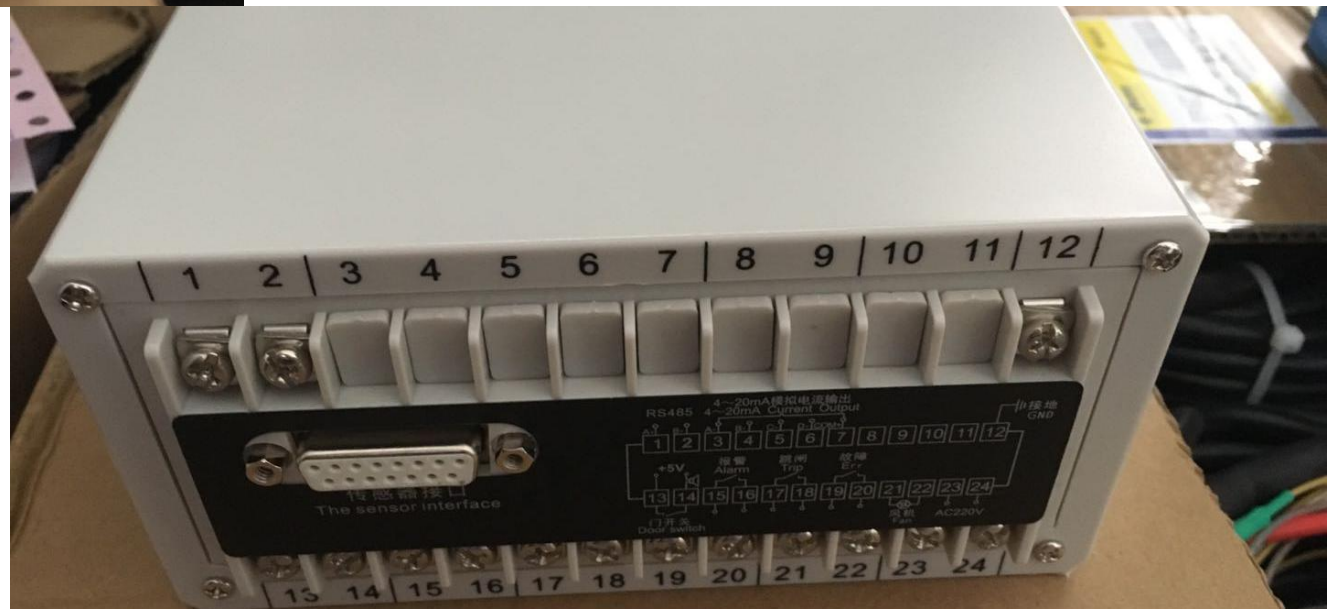
200 Type Main Technical Parameters of Top (side) blowing type fan

Model	Motor parameter						Blowing Rate M3/h	Noise dB(A)	Transformer Capacity kVA	Number of fans
	Phase P	Voltage V	Current A	Speed rpm	Frequency Hz	Power W				
GFD(S)D582-200	Single/Three	220/380	1.8/1.4	1400	50	370	2500	60	3150~4000	6
GFD(S)D610-200	Single/Three	220/380	1.8/1.4	1400	50	370	2700	60	4000~5000	6
GFD(S)D690-200	Single/Three	220/380	1.8/1.4	1400	50	370	2900	60	4000~5000	6
GFD(S)D740-200	Single/Three	220/380	2.1/1.8	1400	50	390	3200	60	5000~6300	6
GFD(S)D850-200	Single/Three	220/380	3.0/2.8	1400	50	450	4000	60	5000~8000	4/6

11. Temperature controller of IB and BWDK dry-type transformer



MODEL: BWD3K- 130
MODEL: BWDK-S201EF
MODEL: BWDK-S3206D
MODEL: IB-Q201F



11. Temperature controller of IB and BWDK dry-type transformer







MODEL: BWD3K- 130
MODEL: BWDK-S201EF
MODEL: BWDK-S3206D
MODEL: IB-Q201F

12. Other trading products for electrical and electronics

Product



IRON CORES FOR CT VT

Product



ELECTRICAL TAPE

Product



SEMI-CONDUCTIVE TAPE FOR CT VT