

**Superior Quality PTFE Teflon Tape & Silicone Composite**



## **GTG MANUFACTURING SDN. BHD.** (968289-M)

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## Introduction

**GTG Manufacturing Sdn. Bhd.** manufactures: PTFE-Teflon coated fiberglass fabric, conveyor belt, silicone coated fiberglass fabric, food grade PTFE-Teflon and silicone baking line, mat and other relative heat resistant PTFE and silicone materials. The company have a professional team with good experience on thermal materials, the company applies strict quality control system and service system, contribute to those customers and market where need high performance composite materials from textile, dyeing, printing, food drying, petroleum, steel, chemical, medicine industries etc

Main products:

- PTFE-Teflon impregnated fiberglass fabric
- PTFE-Teflon impregnated fiberglass open mesh conveyor belt
- Silicone coated fiberglass fabric
- PTFE-Teflon fiberglass fabric with backside adhesive
- Pure PTFE-Teflon adhesive tapes and films
- Food grade silicone mat
- Seamless garments fusing machine belt



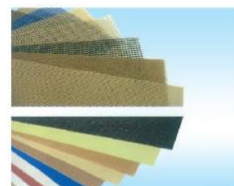
## PTFE TEFLON FIBERGLASS OPEN MESH CONVEYOR BELT

### FEATURES

High temperature resistance, chemical resistance, anti corrosion, non stick and easy to clean, it is suitable for textile drying, dyeing, food drying, chemical and medicine drying industries etc.

### APPLICATIONS

Used for various of drying machine belt, such as rotary printing machine, screen printing machine, UV dryer, shrinking machine, fusing machine etc.



### AVAILABLE SPECIFICATIONS

Item No. 款号	Mesh size 网格尺寸	Basic materials 基材	Weight 重量	Res. Temperature 耐温	Width 最大宽度	Tensile strength 抗拉强度
KW001	1x1mm	PTFE+glass	470g/m <sup>2</sup>	-70-260℃	3000mm	1600/1500N/5cm
KW001B	1x1mm	PTFE+glass	470g/m <sup>2</sup>	-70-260℃	3000mm	1600/1500N/5cm
KW004	4x4mm	PTFE+glass	480g/m <sup>2</sup>	-70-260℃	4000mm	2100/1500N/5cm
KW004B	4x4mm	PTFE+glass	485g/m <sup>2</sup>	-70-260℃	4000mm	2100/1500N/5cm
KW004D	4x4mm	PTFE+glass	580g/m <sup>2</sup>	-70-260℃	4000mm	2800/1580N/5cm
KW004DB	4x4mm	PTFE+glass	580g/m <sup>2</sup>	-70-260℃	4000mm	2800/1580N/5cm
KW004K	4x4mm	PTFE+glass	465g/m <sup>2</sup>	-70-260℃	4000mm	3500/3300N/5cm
KW10	10x10mm	PTFE+glass	450g/m <sup>2</sup>	-70-260℃	3000mm	1100/1000N/5cm
KW051	0.5x1mm	PTFE+glass	470g/m <sup>2</sup>	-70-260℃	3000mm	2200/1500N/5cm
KW225	2x2.5mm	PTFE+glass	540g/m <sup>2</sup>	-70-260℃	3000mm	2200/1500N/5cm





## PTFE-TEFLON IMPREGNATED GLASS FABRIC

We start from fiberglass yarn, weave it into different thickness and width of fiberglass fabric, impregnated with fine PTFE-Teflon dispersion and dry it under 380°C high temperature.

### PTFE TEFLON IMPREGNATED FIBERGLASS FABRIC FEATURES

- 1.high temperature resistance, its 24 hours temperature resistance is 260°C, maximum upto to more than 300°C.
- 2.non-stick surface, easy to clean.
- 3.chemical resistance, anti corrosion.
- 4.flame retardant.



### APPLICATIONS

used as various of liners to resist high temperature, such as microwave liner, oven liner, or other liners. used as non stick liners, intermediate. used as various conveyor belts, fusing belts, sealing belts, laminating fabric or anywhere need resisting high temperature, non stick, chemical resistance etc. used as covering or wrapping material in petroleum, chemical industries, as wrapping material, insulating material, high temperature resistance material in electrical industries, desulfurizing material in power plant etc.

### AVAILABLE SPECIFICATIONS

Item No. 款号	Thickness 厚度	Max width 最大宽度	Nominal Weight 克重	Tensile strength 抗拉强度	Temperature res. 耐温范围	Color 颜色
KB008	0.08mm	1250mm	140g/m <sup>2</sup>	550/450N/5cm	-70-260℃	Brown
KB008B	0.08mm	1250mm	140 g/m <sup>2</sup>	550/450N/5cm	-70-260℃	Black
KB008W	0.08mm	1250mm	140 g/m <sup>2</sup>	550/450N/5cm	-70-260℃	Cream
KB012	0.115mm	1250mm	220 g/m <sup>2</sup>	1100/1000N/5cm	-70-260℃	Brown
KB012B	0.115mm	1250mm	220 g/m <sup>2</sup>	1100/1000N/5cm	-70-260℃	Black
KB013	0.125mm	1250mm	250 g/m <sup>2</sup>	1100/1000N/5cm	-70-260℃	Brown
KB013B	0.125mm	1250mm	250 g/m <sup>2</sup>	1100/1000N/5cm	-70-260℃	Black
KB015	0.145mm	1250mm	300 g/m <sup>2</sup>	1200/1100N/5cm	-70-260℃	Brown
KB018	0.18mm	1250mm	340 g/m <sup>2</sup>	1800/1700N/5cm	-70-260℃	Brown
KB025	0.23mm	2600mm	480 g/m <sup>2</sup>	2100/1800N/5cm	-70-260℃	Brown
KB025B	0.23mm	2600mm	480 g/m <sup>2</sup>	2100/1800N/5cm	-70-260℃	Black
KB030	0.30mm	3000mm	600 g/m <sup>2</sup>	2800/2400N/5cm	-70-260℃	brown
KB030B	0.30mm	3000mm	600 g/m <sup>2</sup>	2800/2400N/5cm	-70-260℃	Black
KB035	0.33mm	2600mm	680 g/m <sup>2</sup>	2600/2300N/5cm	-70-260℃	Brown
KB035B	0.33mm	2600mm	680 g/m <sup>2</sup>	2600/2300N/5cm	-70-260℃	Black
KB040	0.38mm	3000mm	800 g/m <sup>2</sup>	3000/2500N/5cm	-70-260℃	Brown
KB040B	0.38mm	3000mm	800 g/m <sup>2</sup>	3000/2500N/5cm	-70-260℃	Black
KB055	0.55mm	3000mm	1080 g/m <sup>2</sup>	4400/4000N/5cm	-70-260℃	Cream
KB070	0.70mm	3000mm	1250 g/m <sup>2</sup>	5000/4800N/5cm	-70-260℃	Cream
KB095	0.95mm	3000mm	1550 g/m <sup>2</sup>	6000/5000N/5cm	-70-260℃	Cream
KB100	1.00mm	3000mm	1700 g/m <sup>2</sup>	6000/5000N/5cm	-70-260℃	Cream





## PTFE TEFLON ADHESIVE FABRIC AND TAPE SERIES

### PTFE TEFLON ADHESIVE FABRIC AND TAPE SERIES FEATURES

There are two kinds of Teflon adhesive tape: one kind has fiberglass as its basic fabric to increase its strength, another one is pure Teflon PTFE adhesive tape.

Self adhesive PTFE fabric (tapes) features high temperature resistant, good chemical resistant, one side with glue but another side is smooth which easy to release.

PTFE fiberglass adhesive fabric, also named Teflon fiberglass adhesive fabric, mainly used in windows frame producing, packaging, sealing industries.

Pure PTFE adhesive tape, also named pure Teflon adhesive tape, features more flexible and it is insulating, it is mainly used in electrical industry.



### AVAILABLE SPECIFICATIONS

PTFE glass fabric with backside adhesive (silicone) 四氟布基胶带					
Item No. 款号	Basic fabric thickness 基材厚度	Total thickness 总厚度	Adhesion (to steel) 粘附强度 (对钢)	Tensile strength 抗拉强度	Res.temperature 耐温
KB008AS	0.08mm	0.13mm	23N/100mm	900N/100mm	-70-260℃
KB012AS	0.11mm	0.16mm	23N/100mm	1100N/100mm	-70-260℃
KB013AS	0.125mm	0.175mm	23N/100mm	1300N/100mm	-70-260℃
KB018AS	0.18mm	0.225mm	23N/100mm	1950N/100mm	-70-260℃
KB025AS	0.25mm	0.30mm	23 N/100mm	2250N/100mm	-70-260℃
Pure PTFE film with adhesive (silicone) 纯四氟膜胶带					
Item No. 款号	Basic fabric thickness 基材厚度	Total thickness 总厚度	Adhesion (to steel) 粘附强度 (对钢)	Tensile strength 抗拉强度	Res.temperature 耐温
TS004AS	0.04mm	0.08mm	22N/100mm	780N/100mm	-70-260℃
TS005AS	0.05mm	0.09mm	22 N/100mm	800N/100mm	-70-260℃
TS007AS	0.07mm	0.11mm	22 N/100mm	960N/100mm	-70-260℃
TS008AS	0.08mm	0.13mm	22 N/100mm	1050N/100mm	-70-260℃
TS013AS	0.13mm	0.18mm	22 N/100mm	1650N/100mm	-70-260℃
TS020AS	0.20mm	0.25mm	22 N/100mm	2350N/100mm	-70-260℃

Other thickness adhesive tape is also available





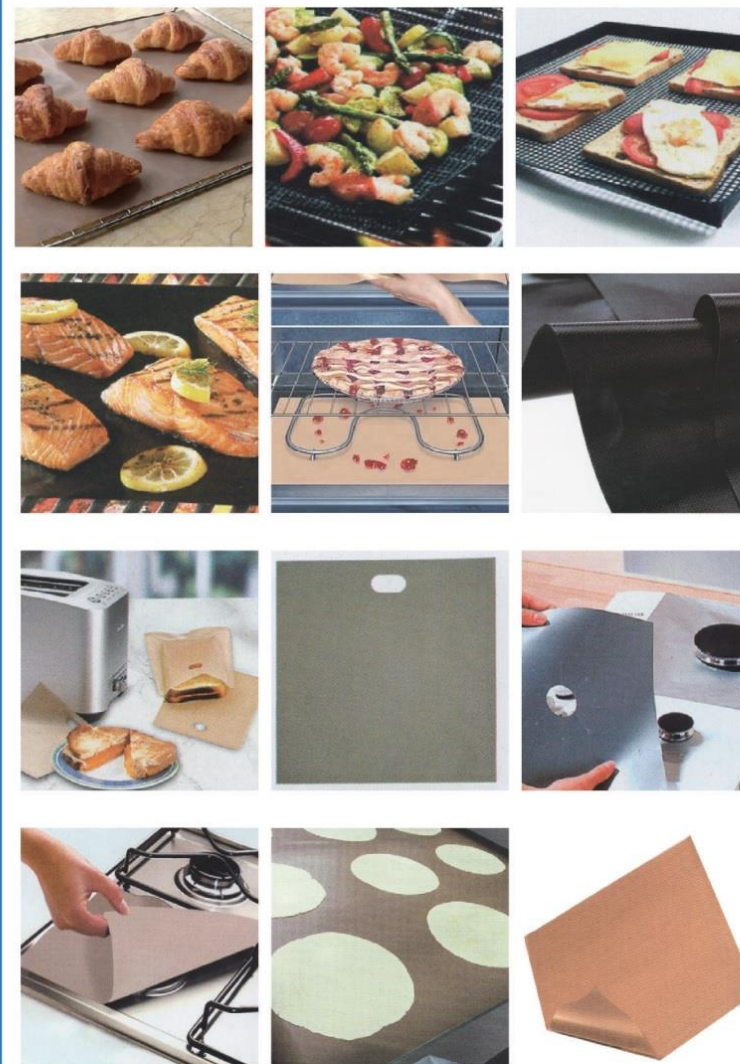
## FOOD GRADE PTFE BBQ GRILL MAT, OVEN LINER, BAKING LINER, FOOD STAFF CONVEYORS, BAGS ETC.

### FEATURES:

- 1.PTFE-fiberglass; nonstick coating on both sides prevent sticking without oils, grease, sprays or butter, easy cleaning, re-usable;
- 2.Prevents spills and debris accumulation in toaster oven; can be cut to fit any size;
- 3.Good temperature durability, from  $-70-260^{\circ}\text{C}$ , maximum to  $380^{\circ}\text{C}$ ;
- 4.Dishwasher-safe and safe for contact food, chemical resistance etc.

### APPLICATIONS:

1. used as cooking sheets in pan;
2. put it onto bottom of a oven, as a oven liner or oven foil;
3. put it into toaster, as toaster liner or toaster bag;
4. used a microwave hot liner etc.





## SILICONE COATED FIBERGLASS FABRIC PRODUCTS

The products are made of fine fiberglass with excellent capacity of high temperature and corrosion resistance, coated with silicone rubber, which is a brand new product with good performance and multiple applications.

### SILICONE FIBERGLASS FABRIC FEATURES

1. temperature resistance, it can continuously work under -70℃ to 230℃
2. weatherability: resistance to ozone, oxygen, sunlight and aging, long using life up to 10 years
3. good electric insulator, dielectric constant 3~3.2, break down voltage between 20~50KV/mm

### SILICONE FIBERGLASS FABRIC APPLICATIONS

1. Electric insulation: Silicon coated fiberglass fabric features high grade of electric insulation and bear a load of high voltage. It fits for making products like insulation cloth and sleeves etc.
2. Non-metallic silicone fiberglass fabric could be used as compensator: used as pipeline flexible coupling, non-metallic compensator helps to avoid damage caused by heat expansion and cold contraction. This membrane material specially fit for use in industries of petroleum, chemical engineering, cement, iron and steel and energy sources due to its special features of temperature resistance, anti-corrosion, anti-aging, and good elasticity and toughness.
3. Anti-corrosion sector: silicone fiberglass fabric is good to be used as inner and outer anti-corrosion layer featuring excellent corrosion resistance, temperature resistance and high strength. It proves to be an ideal anti-corrosion material.
4. Others: Apart from above application, silicone fiberglass fabric can also be used as sealing material, temperature resistant and anti-corrosion conveyor belt and packaging material.

### 技术参数表 TECHNICAL PARAMETERS

Item No 款号	Thickness 厚度	Breaking strength 断裂强度	Bursting strength 胀破强度	Weight 克重	Width 卷宽
KG015	0.17mm	1100/900 N/5cm	2.1mpa	280g/sqm	1250mm
KG025	0.25mm	1800/1500 N/5cm	2.1mpa	440 g/sqm	1250mm
KB040	0.40mm	2400/2200 N/5cm	2.4 mpa	580 g/sqm	1500mm
KG060	0.60mm	2600/2400 N/5cm	2.5 mpa	850 g/sqm	1500mm
KG080	0.80mm	3000/2800 N/5cm	2.6 mpa	1120 g/sqm	1500mm
HG025	0.25mm	1800/1500 N/5cm	2.1mpa	440 g/sqm	1250mm
HG040	0.40mm	2400/2200 N/5cm	2.4 mpa	580 g/sqm	1500mm
HG060	0.60mm	2600/2400 N/5cm	2.5 mpa	850 g/sqm	1500mm
HG080	0.80mm	3000/2800 N/5cm	2.6 mpa	1120 g/sqm	1500mm
HG045	0.4mm	2600/2200 N/5cm	2.2 mpa	540g/sqm	1500mm
HG085	0.8mm	3200/3000 N/5cm	2.2 mpa	1080g/sqm	1500mm



## PTFE ARCHITECHTURAL MEMBRANE

### PTFE ARCHITECHTURAL MEMBRANE FEATURES

PTFE-coated or laminated fiberglass materials are widely used for roofing structures because of their special features; such as rigidity, non-flammability, self-clean, permeability, UV resistance, long using life more than 25years.

Now this form of roofing has also been accepted in western countries. Similarly, PTFE-coated fiberglass fabrics are frequently used in public building decoration and roofing structures; such as gymnasium roofs, airport halls, exhibition centers and platforms.

### TECHNICAL PARAMETERS

拉伸断裂强力≥ Tensile strenth	经向 Warp 纬向 Weft	N/50mm	5000-7000 4000-6000
厚度 Thickness		mm	0.5-1.0
克重 Nominal weight		g/m <sup>2</sup>	600-1800
折叠后的拉伸断裂强力≥ Tensile breaking strength after folding	经向 Warp 纬向 Weft	N/50mm	3720 3100
撕裂强力≥ Tear Resistance	经向 Warp 纬向 Weft	N	300-400 300-400
耐温范围 Temperature res.			-70-260℃
透光率 Transmission			10-12%
防火等级 Flame retardant			A2(DIN4102)
热传导率 Thermal conductivity			0.09
硬度 Hardness			55-60







## SOLAR PANEL LAMINAT OR FABRIC CND SOLAR CELL STRING WELDING MACHINE BAST

### KB025 LAMINATING FABRIC

We adopt advanced high grade 7638 fiberglass fabric,coated it with fine PTFE-Teflon dispersion and dry it under high temperature.It has the characteristics of high temperature resistance,corrosion resistance,smooth and flat surface and easy to secede,etc.It is suitable for solar sell modules to be extruded and transported at high temperature.

### TECHNICAL PARAMETERS

款号 Item No.	KX025
基布类型 Base fabric type	7628 fiberglass fabric
涂层种类 Coating type	PTFE-Teflon
颜色 Color	brown
克重 Nominal Weight	480g/m <sup>2</sup>
厚度 Thickness	0.23mm-0.25mm
抗拉强度 Tensile strength	2800/2000 N/5cm
抗撕强度 Tear strength	16/14 N
耐温范围 Temperature resistance	-70-260 C

## FOOD GRADE SILICONE MAT

### FOOD GRADE SILICONE MAT FEATURES

Silicone baking mat use fiberglass as basic material, coated with food grade silicone resin. Silicone baking mat features stable size, strong friction, so it is not easy to move, and it is safe to contact food, non-stick, could be cleaned by washing machine.

We have two types of silicone baking mat:

Standard grade silicone baking mat, inner fiberglass is white color, our style No GXD075A; Premium grade silicone baking mat, inner fiberglass is brown color, our style NO is GXD075B, premium grade has longer using life than standard grade; We can slit the baking mat into customer' s required size.



