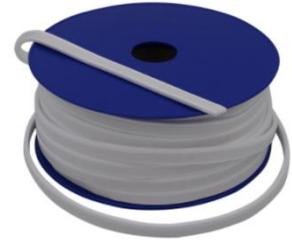




EXPANDED PTFE JOINT SEALANT/ROPE

MK 6500 has excellent fluid sealing performance and can be used reliably in a wide temperature range, pressure range and corrosive media. Widely used in aviation, shipping, petroleum and petrochemical, metallurgy, electric power, paper making, environmental protection engineering, medicine and food, machinery manufacturing and other industrial fields, it is an ideal sealing material for various flanges, containers and other interfaces.



Items	Unit	Property Value
Density	g/cm ³	0.7 - 0.85
Tensile Strength	Mpa	≥8.0
Hardness	HA	30 - 70
Creep Relaxation	%	≤40
Working Temperature	°C	-380
Working Pressure	Mpa	gas 1.6 Liquid 6.4
PH RANGE	Mpa	0 - 14



GRAPHITE FILLED EXPANDED PTFE TAPE

On the basis of ordinary expanded PTFE tape, by mixing a certain proportion of graphite, enhance the self lubrication performance. The product has excellent fluid sealing performance and can be used reliably in a wide temperature range, pressure range and corrosive media. Widely used in aviation, shipping, petroleum and petrochemical, metallurgy, electric power, paper making, environmental protection engineering, medicine and food, machinery manufacturing and other industrial fields, it is an ideal sealing material for various flanges, containers and other interfaces



Items	Unit	Property Value
Density	g/cm ³	1.1-1.3
Tensile Strength	Mpa	≥8.0
Hardness	HA	30 - 70
Creep Relaxation	%	≤40
Working Temperature	°C	-380
Working Pressure	Mpa	gas 1.6 Liquid 6.4
PH RANGE	Mpa	0 - 14



MK 6530 PTFE SHEET

The PTFE sheet is processed by suspension PTFE resin, which has good corrosion resistance, aging resistance, high and low temperature resistance, good dielectric properties, very low friction coefficient, and a wide range of use. It can process and manufacture all kinds of gaskets, seals, lining partitions, scrapers, guide rails and electrical insulation parts used in various frequencies, bridge support sliders, etc.



Specification:

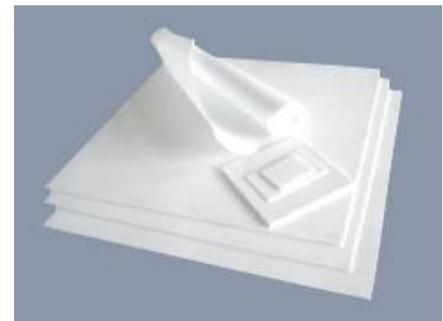
Item	IMETER/RECTANGLE(mm)	THICKNESS (mm)
PLATE	100 - 2000	2 - 40
SQUARE PLATE	200 - 2000	2 - 40

Physical Properties:

Item	Units	(QB/T3625-99)	(JT/T4-2004)	(JT391-1999)	(TB/T2331-2004)
Density	g/cm ³	2.1 - 2.3	2.13 - 2.23	2.13 - 2.20	2.14 - 2.20
Tensile strength	%	≥15	≥21	≥30	≥30
Elongation	MPa	≥150	≥300	≥300	≥300

MK 6580 Expanded PTFE sheet

Made of 100% PTFE through special processing. It has excellent flexibility, excellent compliance performance and forming ability, and has high tensile strength, creep resistance, high and low temperature resistance, corrosion resistance, Anti-cold flow and anti-aging. It can be stored for a long time without deterioration, non-toxic and non-polluting, and is composed of countless homogeneous, dense, soft and tough multi-directional fibers. It has a unique high-density fiber structure. After compression, the fibers will entangle with each other and become tighter and more uniform. It is impermeable to air, impervious to water, and has good anti-leakage performance. It can also maintain an excellent close state under severe corrosive environments and high temperatures.



Product advantages

Easy to install, even on vertical flanges

Avoid waste, do not need to preliminarily cut, can be with on-site cut



Convenient disassembly Ensure the construction quality and save maintenance cost
Soft qualities Excellent sealing gasket for rough surface

Application range

Suitable for highly sealed and highly corrosive environments in biopharmaceutical, food, chemical, oil refining, military, marine, aerospace, machinery, etc. Construction sites such as heat exchangers, FRP, compressor frame flanges, steam container flanges, liquid and gas system water systems, ventilation fan frames, etc. High durability, weather resistance and safety.

Technical parameters:

Compressibility: 45%

Recovery: 10%

Density: 1.0g/cm³

Pressure: <20.0Mpa

Temperature: -273 - 260[∞]

PH range : 0-14

Specification: 1.5m x 1.5m

Thickness: 0.5-6mm

MODIFIED PTFE SHEET

Modified PTFE is made of PTFE resin with a certain amount of fillers, such as glass fiber, silica, etc., mixed evenly at high speed, molded by molding, and then sintered at high temperature. Has excellent compressibility, recovery and sealing. Its unique properties and high-level characteristics show tightness and torque retention. In the cold flow and the creep characteristics of the material, the shortcomings of the traditional PTFE are overcome, and at the same time it can maintain the bolt load better than the traditional PTFE, which not only improves the durability of the seal, but also reduces the maintenance of the flange.

- Good compression and recovery performance
- Wide range of chemical media adaptability
- Wide temperature range
- Easy installation and quick disassemble, no residue
Reducing or preventing leakage





PROPERTY	UNIT	GLASS FIBER	BRIUM	SILICON DIOXIDE
LEAKAGE RATE	cm ³ /s	≤1.0*10	≤1.0*10	≤1.0*10
DENSITY	g/cc	1.7±0.2	2.8±0.2	2.1±0.2
TENSILE STRENGTH	Mpa	> ¹⁴	> ¹⁴	> ¹⁴
COMPRESSIBILITY	%	25~45	4~10	7~12
RECOVERY	%	≥30	≥40	≥40
TEMPERATURE	°C	-196~260	-196~260	-196~260
CREEP RATE	%	< ⁴⁰	< ¹¹	< ¹⁸

GRAPHITE FILLED PTFE GASKET

The product is sintered with PTFE and graphite at high temperature. Advantages: low friction coefficient, good compressibility, better wear-resistant; suitable for chemical, petrochemical, hydrocarbon reaction and power plants.



PTFE GASKET

PTFE gaskets are made of PTFE rods, tubes, and plates by mechanical turning or cutting, or made by compression molding and high temperature vulcanization. With excellent corrosion resistance, aging resistance, insulation, cleanliness and other good characteristics, it is widely used in chemical, petroleum, pharmaceutical, food and many other fields.

COMPRESSIBILITY	%	15~25
RECOVERY	%	> 15
LEAKAGE RATE	cm ³ /s	≤1.0×10 ⁻³
TEMPERATURE	°C	-180°C~260°C
PH	/	0~14
TENSILE STRENGTH	MPa	≥30
ELONGATION	%	≥300
DENSITY	g/cm ³	2.13~2.19





MODIFIED PTFE GASKET

The gasket is made by cutting modified PTFE sheet, and is widely used in medicine, food, petrochemical, paper making and water treatment industries.



PTFE STRIP

PTFE strip is processed from professional equipment. Used as sealing filler of SWG.

Thickness available: 0.5~0.7mm

Width available: 3.0~7.2mm



MK6520 PTFE THREAD TAPE

Product varieties include turning film, oriented film, semi-oriented film and color film. PTFE thread tape has the characteristics of high strength, good insulation and non-stickiness. Especially F, the oriented film has high crystallinity, tightly aligned molecular orientation, and extremely small void ratio. The electrical and mechanical properties of the national film are greatly improved compared with ordinary films. The DC breakdown voltage can be increased from 30kv / mm to 200kv / mm. The thickness can reach several microns. PTFE thread tape is suitable for insulating layer of capacitor medium, special cable, wire





insulation, electrical instrument insulation and sealing gasket, and also can be used as non-stick tape, sealing tape, mold release and heat insulation material.

MK 6510 PTFE ROD

There are two types of products: PTFE molded rod and PTFE push rod. PTFE rod have good corrosion resistance and dielectric properties, can be used for a long time in the environment of -180-250 ° C, and have a low coefficient of friction. Among them, as a blank, they can be secondary processed to produce various high and low temperature resistance, lubrication resistance Grinding parts and sealing gaskets, lubricating materials, anti-sticking materials and insulating parts used in various frequencies that require high working and strong insulation performance.



Specification

ITEMS	DIAMETER(mm)	LENGTH (mm)
RODS OF MOLDING	10 - 360	150
RODS OF EXTRUSION	5 - 160	NO LIMITS

Physical Properties

ITEMS	Density (g/cm ³)	TENSILE STRENGTH(Mpa)	ELONGATION(%)
RODS OF MOLDING	2.10 - 2.30	≥15	≥160
RODS OF EXTRUSION	2.10 - 2.22	≥14	≥140